REPORT

A3179-3

NMTBA
The Association For
Manufacturing Technology

Direct Dial: (703) 827-5260

STATISTICAL
No. 111-91 October 30, 1991

U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY – AUGUST 1991
(Values in Millions of U.S. Dollars)

	Aug. 1991	July 1991	Average May-July	Year to Date '91	Year to Date '90	% Change YTD '90-'91
METAL CUTTING MACHINE TOOLS						
Exports	$ 46.3	$ 46.6	$ 53.8	$ 409.4	$ 401.6	1.9%
Imports	$130.4	$118.5	$138.7	$1,107.9	$1,226.6	(9.7%)
Balance	($ 84.1)	($ 71.9)	($ 84.9)	($ 698.5)	($ 825.0)	(15.3%)
METAL FORMING MACHINE TOOLS						
Exports	$ 44.5	$ 43.9	$ 45.8	$ 323.4	$ 309.9	4.4%
Imports	$ 34.3	$ 31.9	$ 35.7	$ 360.3	$ 334.8	7.6%
Balance	$ 10.2	$ 12.0	$ 10.1	($ 36.9)	($ 24.9)	48.2%
MACHINE TOOL TOTAL						
Exports	$ 90.8	$ 90.5	$ 99.6	$ 732.8	$ 711.6	3.0%
Imports	$164.6	$150.4	$174.4	$1,468.2	$1,561.4	(6.0%)
Balance	($ 73.8)	($ 59.9)	($ 74.8)	($ 735.4)	($ 849.8)	(13.5%)
NUMERICALLY CONTROLLED MACHINE TOOLS						
Exports	$ 14.6	$ 20.0	$ 27.1	$ 210.2	$ 231.0	(9.0%)
Imports	$ 94.0	$ 80.8	$102.4	$ 800.1	$ 833.4	(4.0%)
Balance	($ 79.4)	($ 60.8)	($ 75.3)	($ 589.9)	($ 602.4)	(2.1%)
OTHER MANUFACTURING TECHNOLOGY						
Exports	$124.7	$150.0	$147.4	$1,108.6	$1,208.0	(8.2%)
Imports	$150.7	$177.7	$170.5	$1,353.2	$1,325.1	2.1%
Balance	($ 26.0)	($ 27.7)	($ 23.1)	($ 244.6)	($ 117.1)	108.9%

Note: Numerically controlled machine tools is a subgroup of the machine tool total. ( ) denotes negative. NM = not meaningful. Individual items may not add up to totals due to rounding.

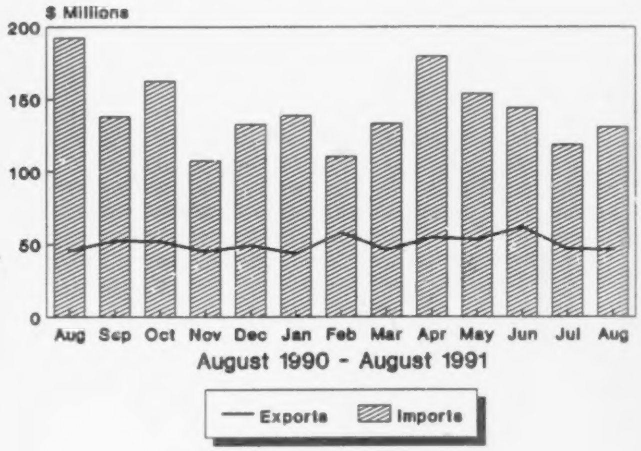
- U.S. machine tool exports totalled $90.8 million in August, marking the first time ever that exports exceeded $90 million for five consecutive months.

- Year-to-date exports are $732.8 million, up 3% over last year when exports reached a record high. This year's year-to-date total is the second highest January-August total ever, behind $748.8 million in 1981.

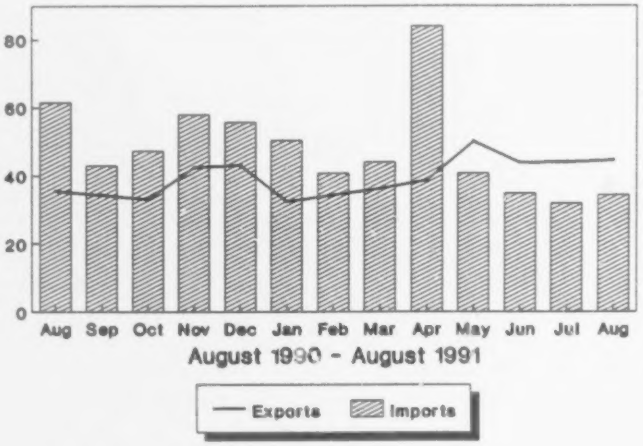
- Imports in August rebounded from three straight monthly declines to $164.6 million, for a year-to-date total ($1.5 billion) 6% lower than last year.

U.S. MONTHLY TRADE IN MACHINE TOOLS

METAL CUTTING



METAL FORMING



METAL CUTTING MACHINE TOOLS

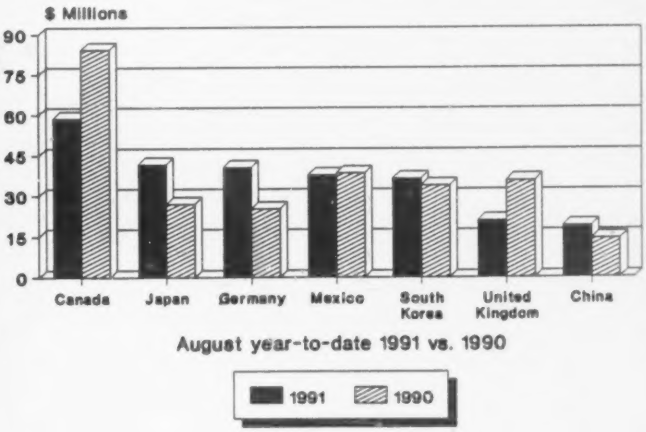
Exports

- Exports of metal cutting machines in August fell fractionally from July to $46.3 million. The monthly average so far in 1991: $51.2 million. Year-to-date exports are $409.4 million, up 2% over last year.

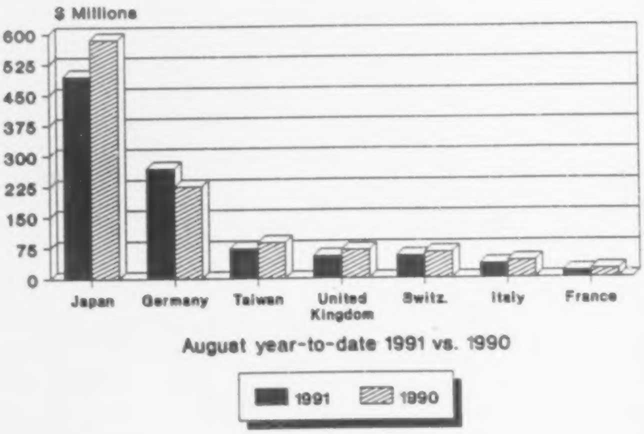
- Exports so far in 1991 of machining centers are down 29% in unit terms and down 26% in value terms; exports of NC lathes are down 33% in unit terms and down 39% in value terms.

- South Korea was the biggest metal cutting export market in August at $8.1 million, followed by Canada ($7.3 million). South Korea's total included 19 used or rebuilt machines valued at $5.1 million. Canada's total included $2.2 million in used or rebuilt machines.

LEADING U.S. EXPORT MARKETS
METAL CUTTING MACHINES



LEADING U.S. IMPORT SOURCES
METAL CUTTING MACHINES



Imports

- Imports of metal cutting machines in August of $130.4 million were 10% higher than July's $118.5 million but lower than the 1991 monthly average of $138.5 million.

- Year-to-date imports from Japan are $495.6 million, down 15% from last year; imports from Taiwan ($73.4 million) and the United Kingdom ($54.4 million) are down 15% and 21%, respectively. Imports from Germany are up 20% to $268.8 million.

- Year-to-date imports of drilling machines are down 14% in unit terms (to 804 from 932) but up 14% in value terms (to $31.4 million from $27.6 million.) Likewise, imports of milling machines are down in unit terms (2,506 vs. 3,444) but up in value terms ($53.8 million vs. $50.3 million) this year compared to last year.

METAL FORMING MACHINE TOOLS

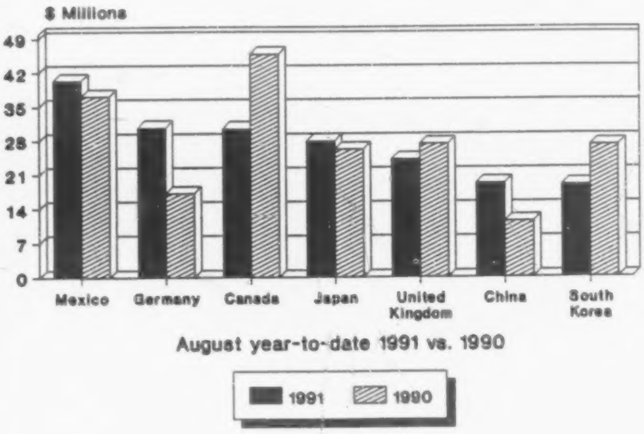
Exports

- Exports of metal forming machines rose slightly from July to August to $44.5 million. Exports of metal forming machines have now exceeded imports for four consecutive months.

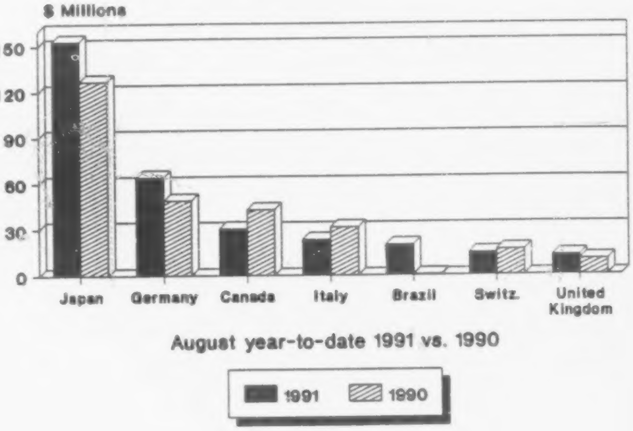
- The United Kingdom ($6.8 million) and Australia ($6.1 million) were the top two export markets in August. The total for the U.K. included $3.9 million in non-NC bending and forming machines; Australia's total included $6.0 million in metal forming machines "not elsewhere classified".

- Exports of bending and forming machines in 1991 through August are down 6% in unit terms but up 14% in value terms. Exports of presses are down 16% in unit terms and down 18% in value terms.

LEADING U.S. EXPORT MARKETS
METAL FORMING MACHINES



LEADING U.S. IMPORT SOURCES
METAL FORMING MACHINES



Imports

- Imports of metal forming machines in August were $34.3 million, up from $31.9 million in July. Year-to-date imports are up 8%, largely on the strength of the $83.9 million worth of machines imported in April.

- Metal forming imports from Germany in August ($9.7 million) actually exceeded imports from Japan ($9.6 million). Japan remains by far the biggest year-to-date supplier at $153.0 million, followed by Germany ($64.1 million), Canada ($30.7 million) and Italy ($23.1 million).

OTHER MANUFACTURING TECHNOLOGY

Exports

- Exports of other manufacturing technology in August fell 17% from July to $124.7 million. Exports of machine tool parts and accessories fell from $60.2 million in July to $49.5 million in August; year-to-date exports of parts and accessories are down 6% from last year to $444.8 million.

- Year-to-date exports of extruders were 859 units worth $37.5 million last year. This year the comparable figures are 603 units and $38.2 million. Exports of machines using laser, light or photon beams for working any material fell to 409 machines worth $24.9 million this year from 628 machines worth $31.8 million last year.

Imports

- Imports of other manufacturing technology in August fell to $150.7 million, down from an average of $170.5 million in May through July. The year-to-date total ($1.4 billion) is 2% higher than last year.

- Year-to-date imports of industrial robots for lifting, handling, loading or unloading are $23.1 million, down from $26.2 million last year. Imports of laser, light or photon beam process machines are $36.8 million, up from $34.1 million last year.

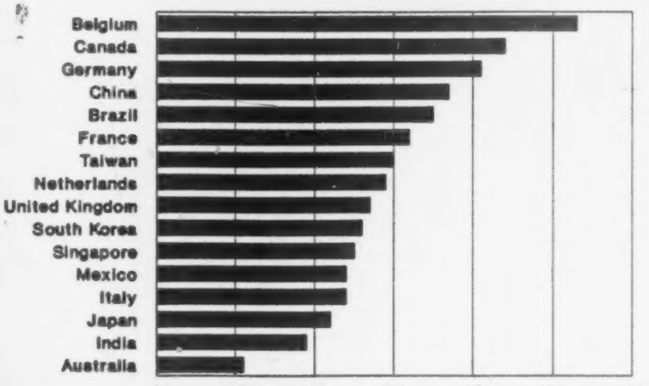
- Imports of numerical controls for controlling machine tools are $21.5 million so far this year. The comparable figure for 1990: $31.8 million.

MONTHLY FOCUS

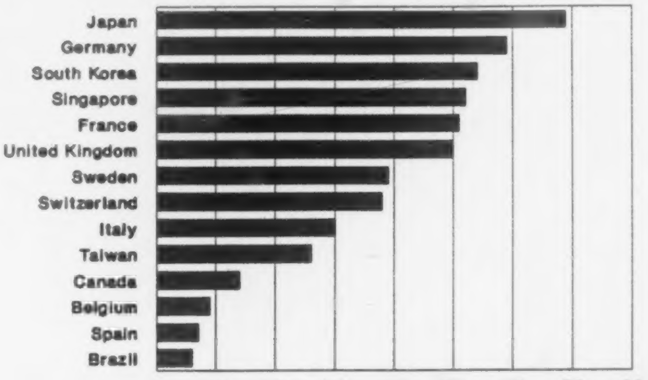
Numerically controlled machines account for $210.2 million, or 29%, of total U.S. machine tool exports in 1991 through August. NC machines account for a much higher percentage of imports -- 54%, or $800.1 million.

As the charts below show, countries differ significantly in terms of the percentage of total exports or imports accounted for by NC machines. NC machines, for example, account for 53% of U.S. machine tool exports to Belgium and 44% to Canada, but only 11% to Australia and 5% to Spain. On the import side, Japan -- by far the highest supplier of machine tools to the U.S. -- also has the highest NC percentage for their imports of any country at 69%, followed by Germany (59%) and South Korea (54%).

NC Machines as % of Total U.S. Machine Tool Exports, January-August 1991



NC Machines as % of Total U.S. Machine Tool Imports, January-August 1991



1991 EXPORTS

METAL CUTTING

COUNTRY	AUGUST	JULY	% CHANGE	AUG'91 YTD	AUG'90 YTD	% CHANGE
Canada	$7,309,729	$8,823,741	-17.2%	$58,792,982	$84,259,058	-30.2%
Japan	4,063,110	3,530,080	15.1%	41,650,712	26,989,066	54.3%
Germany	1,676,978	1,224,804	36.9%	40,605,077	25,227,164	61.0%
Mexico	4,275,460	4,445,568	-3.8%	37,877,572	38,403,252	-1.4%
South Korea	8,144,265	5,817,849	40.0%	36,549,746	33,989,259	7.5%
United Kingdom	3,618,118	1,752,795	106.4%	21,020,914	35,758,332	-41.2%
China	2,058,239	2,323,683	-11.4%	18,921,310	14,152,707	33.7%
USSR	302,247	1,054,809	-71.3%	17,926,246	3,707,174	383.6%
France	798,451	186,923	327.2%	11,338,934	6,251,067	81.4%
India	1,413,907	2,010,575	-29.7%	10,517,988	15,370,787	-31.6%
Taiwan	1,349,024	1,920,267	-29.7%	9,277,733	8,746,521	6.1%
Italy	971,615	573,903	69.3%	9,052,870	12,482,980	-27.5%
Brazil	305,278	1,870,476	-83.7%	8,718,130	10,464,635	-16.7%
Belgium	1,741,556	167,576	939.3%	8,150,901	16,463,910	-50.5%
Venezuela	923,881	983,069	-6.0%	8,142,762	4,702,024	73.2%
Singapore	1,443,241	488,286	195.6%	6,599,705	6,076,267	8.6%
Indonesia	151,679	3,161,417	-95.2%	4,607,570	166,252	2671.4%
Switzerland	334,347	375,402	-10.9%	4,213,862	4,505,898	-6.5%
Netherlands	397,599	244,790	62.4%	3,792,203	4,050,817	-6.4%
Australia	239,628	276,224	-13.2%	3,216,944	13,443,428	-76.1%
Malaysia	407,818	849,304	-52.0%	2,892,821	2,150,679	34.5%
Thailand	38,617	58,985	-34.5%	1,734,260	1,388,277	24.9%
Spain	60,904	163,989	-62.9%	1,234,122	4,460,242	-72.3%
Austria	32,320	16,109	100.6%	686,608	226,757	202.8%

METAL FORMING

COUNTRY	AUGUST	JULY	% CHANGE	AUG'91 YTD	AUG'90 YTD	% CHANGE
Mexico	$4,869,400	$6,051,875	-19.5%	$40,297,442	$37,132,190	8.5%
Germany	3,347,303	2,570,232	30.2%	30,674,570	17,110,225	79.3%
Canada	1,847,408	2,166,348	-14.7%	30,441,165	45,814,978	-33.6%
Japan	4,221,329	3,659,636	15.3%	27,920,516	26,140,536	6.8%
United Kingdom	6,750,405	2,905,793	132.3%	24,182,117	27,237,554	-11.2%
China	932,168	974,857	-4.4%	19,239,390	11,376,279	69.1%
South Korea	2,001,890	5,043,506	-60.3%	18,842,632	27,029,206	-30.3%
France	1,794,256	2,650,150	-32.3%	18,452,267	11,805,247	56.3%
Italy	3,428,352	1,223,156	180.3%	9,492,868	6,644,691	42.9%
Australia	6,137,935	695,217	782.9%	8,831,413	3,915,179	125.6%
Netherlands	504,943	1,546,303	-67.3%	8,238,046	5,714,784	44.2%
Thailand	826,111	1,244,039	-33.6%	7,179,025	3,607,644	99.0%
Taiwan	878,610	608,357	44.4%	6,144,196	10,169,553	-39.6%
Brazil	755,907	46,349	1530.9%	4,824,840	5,102,541	-5.4%
Singapore	200,557	970,730	-79.3%	4,420,592	4,279,494	3.3%
Spain	466,569	274,532	70.0%	4,102,940	4,639,932	-11.6%
Indonesia	278,806	18,800	1383.0%	3,735,305	4,339,474	-13.9%
Belgium	206,906	80,830	156.0%	2,091,550	2,311,019	-9.5%
Venezuela	45,616	203,132	-77.5%	1,573,580	1,027,995	53.1%
Switzerland	79,894	137,446	-41.9%	1,515,072	1,687,521	-10.2%
Malaysia	315,996	46,590	578.2%	1,176,120	4,037,771	-70.9%
India	52,586	30,055	75.0%	872,176	5,736,995	-84.8%
Austria	0	136,632	-100.0%	324,289	2,108,866	-84.6%
USSR	0	97,244	-100.0%	122,884	694,819	-82.3%

METAL CUTTING AND METAL FORMING

COUNTRY	AUGUST	JULY	% CHANGE	AUG'91 YTD	AUG'90 YTD	% CHANGE
Canada	$9,157,137	$10,990,089	-16.7%	$89,234,147	$130,074,036	-31.4%
Mexico	9,144,860	10,497,443	-12.9%	78,175,014	75,535,442	3.5%
Germany	5,024,281	3,795,036	32.4%	71,279,647	42,337,389	68.4%
Japan	8,284,439	7,189,716	15.2%	69,571,228	53,129,602	30.9%
South Korea	10,146,155	10,861,355	-6.6%	55,392,378	61,018,465	-9.2%
United Kingdom	10,368,523	4,658,588	122.6%	45,203,031	62,995,886	-28.2%
China	2,990,407	3,298,540	-9.3%	38,160,700	25,528,986	49.5%
France	2,592,707	2,837,073	-8.6%	29,791,201	18,056,314	65.0%
Italy	4,399,967	1,797,059	144.8%	18,545,738	19,127,671	-3.0%
USSR	302,247	1,152,053	-73.8%	18,049,130	4,401,993	310.0%
Taiwan	2,227,634	2,528,624	-11.9%	15,421,929	18,916,074	-18.5%
Brazil	1,061,185	1,916,825	-44.6%	13,542,970	15,567,176	-13.0%
Australia	6,377,563	971,441	556.5%	12,048,357	17,358,607	-30.6%
Netherlands	902,542	1,791,093	-49.6%	12,030,249	9,765,601	23.2%
India	1,466,493	2,040,630	-28.1%	11,390,164	21,107,782	-46.0%
Singapore	1,643,798	1,459,016	12.7%	11,020,297	10,355,761	6.4%
Belgium	1,948,462	248,406	684.4%	10,242,451	18,774,929	-45.4%
Venezuela	969,497	1,186,201	-18.3%	9,716,342	5,730,019	69.6%
Thailand	864,728	1,303,024	-33.6%	8,913,285	4,995,921	78.4%
Indonesia	430,485	3,180,217	-86.5%	8,342,875	4,505,726	85.2%
Switzerland	414,241	512,848	-19.2%	5,728,934	6,193,419	-7.5%
Spain	527,473	438,521	20.3%	5,337,062	9,100,174	-41.4%
Malaysia	723,814	895,894	-19.2%	4,068,941	6,188,450	-34.2%
Austria	32,320	152,741	-78.8%	1,010,897	2,335,623	-56.7%

1991 IMPORTS

METAL CUTTING

COUNTRY	AUGUST	JULY	% CHANGE	AUG'91 YTD	AUG'90 YTD	% CHANGE
Japan	$72,903,362	$51,360,545	41.9%	$495,616,459	$585,436,854	-15.3%
Germany	19,345,911	19,446,328	-0.5%	268,788,354	224,717,982	19.6%
Taiwan	6,279,361	11,297,402	-44.4%	73,440,852	86,793,995	-15.4%
United Kingdom	4,339,499	6,173,669	-29.7%	54,406,353	69,066,497	-21.2%
Switzerland	6,019,912	9,609,206	-37.4%	54,052,803	62,417,990	-13.4%
Italy	7,354,873	3,734,233	97.0%	33,675,874	41,492,815	-18.8%
France	3,127,751	2,151,021	45.4%	15,184,195	20,004,136	-24.1%
Spain	1,778,576	1,170,722	51.9%	13,932,843	20,119,355	-30.7%
Sweden	83,831	626,357	-86.6%	13,040,706	11,237,172	16.0%
South Korea	1,735,234	2,165,159	-19.9%	12,890,954	13,689,072	-5.8%
Canada	641,759	2,225,693	-71.2%	12,095,014	15,214,274	-20.5%
Singapore	1,011,615	1,142,319	-11.4%	7,632,769	13,663,260	-44.1%
Brazil	831,574	1,271,352	-34.6%	6,247,381	9,495,423	-34.2%
Belgium	0	387,565	-100.0%	1,684,557	1,232,717	36.7%

METAL FORMING

COUNTRY	AUGUST	JULY	% CHANGE	AUG'91 YTD	AUG'90 YTD	% CHANGE
Japan	$9,610,513	$14,119,721	-31.9%	$152,960,238	$126,762,938	20.7%
Germany	9,684,056	5,414,485	78.9%	64,117,133	48,772,434	31.5%
Canada	3,350,481	2,736,139	22.5%	30,651,328	42,625,543	-28.1%
Italy	1,564,964	2,118,764	-26.1%	23,111,177	31,112,656	-25.7%
Brazil	0	43,982	-100.0%	19,740,871	200,000	9770.4%
Switzerland	2,075,389	1,918,276	8.2%	14,543,387	16,280,122	-10.7%
United Kingdom	987,774	574,713	71.9%	12,440,828	9,845,592	26.4%
Sweden	264,477	684,500	-61.4%	8,105,297	17,838,349	-54.6%
Belgium	1,781,756	351,297	407.2%	7,081,731	17,544,919	-59.6%
Taiwan	783,175	821,531	-4.7%	4,952,888	7,181,324	-31.0%
Spain	543,643	528,389	2.9%	2,605,045	3,079,239	-15.4%
France	90,797	152,134	-40.3%	1,345,186	2,818,007	-52.3%
South Korea	3,420	66,900	-94.9%	515,655	514,347	0.3%
Singapore	0	0	NA	300,254	70,200	327.7%

METAL CUTTING AND METAL FORMING

COUNTRY	AUGUST	JULY	% CHANGE	AUG'91 YTD	AUG'90 YTD	% CHANGE
Japan	$82,513,875	$65,480,266	26.0%	$648,576,697	$712,199,792	-8.9%
Germany	29,029,967	24,860,813	16.8%	332,905,487	273,490,416	21.7%
Taiwan	7,062,536	12,118,933	-41.7%	78,393,740	93,975,319	-16.6%
Switzerland	8,095,301	11,527,482	-29.8%	68,596,190	78,698,112	-12.8%
United Kingdom	5,327,273	6,748,382	-21.1%	66,847,181	78,912,089	-15.3%
Italy	8,919,837	5,852,997	52.4%	56,787,051	72,605,471	-21.8%
Canada	3,992,240	4,961,832	-19.5%	42,746,342	57,839,817	-26.1%
Brazil	831,574	1,315,334	-36.8%	25,988,252	9,695,423	168.0%
Sweden	348,308	1,310,857	-73.4%	21,146,003	29,075,521	-27.3%
Spain	2,322,219	1,699,111	36.7%	16,537,888	23,198,594	-28.7%
France	3,218,548	2,303,155	39.7%	16,529,381	22,822,143	-27.6%
South Korea	1,738,654	2,232,059	-22.1%	13,406,609	14,203,419	-5.6%
Belgium	1,781,756	738,862	141.1%	8,766,288	18,777,636	-53.3%
Singapore	1,011,615	1,142,319	NA	7,933,023	13,733,460	-42.2%

1991 U.S. EXPORTS
BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1991		FEBRUARY 1991		MARCH 1991		APRIL 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $2,500	5,350	$13,231,937	5,314	$9,384,660	5,918	$12,359,757	5,272	$15,333,596
Boring machines	8	572,189	8	2,689,884	7	490,980	10	781,577
Drilling machines	104	2,125,292	72	2,302,444	98	2,731,002	94	1,177,353
Gear cutting machines	14	7,378,919	23	3,441,470	16	3,898,627	22	6,720,535
Grinding machines	244	5,937,543	272	10,254,977	275	8,387,839	313	11,543,197
NC horizontal lathes	15	2,388,500	33	3,043,968	29	3,419,112	38	4,707,962
NC vertical lathes	1	161,310	2	341,835	6	371,174	1	89,700
Non-NC lathes	37	817,093	46	1,273,108	34	912,266	64	1,399,820
Milling machines	21	1,285,651	27	1,256,940	56	1,629,636	35	6,730,275
Machining centers	18	2,251,834	27	4,699,366	21	6,179,301	33	5,723,799
Station type machines	7	6,763,963	10	16,280,662	3	3,750,445	0	0
Other metal cutting machines	223	7,078,662	278	7,046,503	322	7,317,458	266	6,517,985
Punching & shearing machines	108	4,513,331	79	5,456,279	85	4,584,562	157	4,594,728
Bending & forming machines	116	4,251,882	102	6,952,107	119	7,232,573	120	4,830,552
Presses	293	7,418,063	96	5,734,227	128	4,847,879	168	7,262,958
Forging machines	11	2,746,151	19	5,146,204	21	4,124,370	11	868,133
Other metal forming machines	231	7,030,224	185	7,182,512	193	9,543,993	308	14,549,088
MACHINE TOOL TOTAL	6,801	75,952,544	6,593	92,487,146	7,331	81,780,974	6,912	92,831,258

PRODUCT TYPES	MAY 1991		JUNE 1991		JULY 1991		AUGUST 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $2,500	5,847	$14,473,978	6,716	$15,068,308	5,909	$16,595,564	7,211	$21,518,830
Boring machines	9	811,684	29	2,458,144	53	1,485,134	21	1,762,000
Drilling machines	81	1,767,423	182	2,096,676	182	2,218,922	78	1,759,560
Gear cutting machines	39	6,598,232	42	10,858,258	11	4,027,477	7	2,476,528
Grinding machines	285	9,241,644	390	12,599,243	398	11,576,263	308	6,788,528
NC horizontal lathes	19	1,914,295	25	2,373,736	26	2,567,207	23	2,111,735
NC vertical lathes	9	592,211	2	108,000	4	269,504	1	22,000
Non-NC lathes	45	1,357,057	49	2,263,152	27	407,865	35	1,881,608
Milling machines	57	5,134,958	73	6,889,800	57	3,124,857	48	2,636,055
Machining centers	37	5,715,931	24	2,660,799	26	3,139,607	12	948,374
Station type machines	4	3,143,769	6	2,649,559	5	4,718,427	2	80,000
Other metal cutting machines	341	8,257,118	273	9,131,128	198	4,100,231	281	9,631,000
Punching & shearing machines	111	5,445,644	129	3,810,698	132	3,568,471	115	4,809,018
Bending & forming machines	108	5,331,914	257	9,068,216	169	6,262,244	176	6,665,618
Presses	96	6,098,800	210	6,552,960	199	11,252,200	126	7,336,120
Forging machines	40	4,435,634	40	5,388,723	57	8,447,700	38	9,086,436
Other metal forming machines	223	22,718,552	234	11,390,564	225	6,748,375	194	11,311,721
MACHINE TOOL TOTAL	7,351	103,038,844	8,681	105,367,964	7,678	90,510,048	8,676	90,825,131

1991 U.S. EXPORTS
BY PRODUCT GROUPS

PRODUCT TYPES	AUGUST 1991 YTD		AUGUST 1990		AUGUST 1990 YTD		% CHANGE JULY'91–AUG'91	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $2,500	47,537	$117,966,630	4,863	$14,611,340	40,083	$109,051,835	22.0%	29.7%
Boring machines	145	11,051,592	8	1,024,328	117	13,477,474	-60.4%	18.6%
Drilling machines	891	16,178,672	98	1,658,877	739	12,663,181	-57.1%	-20.7%
Gear cutting machines	174	45,400,046	4	2,246,285	159	35,694,886	-36.4%	-38.5%
Grinding machines	2,485	76,329,234	324	14,070,348	2,478	89,351,406	-22.6%	-41.4%
NC horizontal lathes	208	22,526,515	30	2,587,966	300	32,202,618	-11.5%	-17.7%
NC vertical lathes	26	1,955,734	12	4,857,652	48	7,820,818	-75.0%	-91.8%
Non-NC lathes	337	10,311,969	62	1,664,183	519	11,909,833	29.6%	361.3%
Milling machines	374	28,688,172	28	1,875,948	296	24,579,727	-15.8%	-15.6%
Machining centers	198	31,319,011	16	2,320,834	277	42,160,821	-53.8%	-69.8%
Station type machines	37	37,386,825	0	0	51	21,066,899	-60.0%	-98.3%
Other metal cutting machines	2,182	59,080,085	232	5,861,015	2,620	52,397,573	41.9%	134.9%
Punching & shearing machines	916	36,782,731	79	2,249,460	1,056	45,481,478	-12.9%	34.8%
Bending & forming machines	1,167	50,595,106	269	9,426,251	1,239	44,248,076	4.1%	6.4%
Presses	1,316	56,503,207	133	4,874,468	1,572	68,648,324	-36.7%	-34.8%
Forging machines	237	40,243,351	27	5,550,253	275	34,883,492	-33.3%	7.6%
Other metal forming machines	1,793	90,475,029	233	6,075,258	2,171	65,931,923	-13.8%	67.6%
MACHINE TOOL TOTAL	60,023	732,793,909	6,418	80,954,466	54,000	711,570,364	13.0%	0.3%

PRODUCT TYPES	% CHANGE AUG'90–AUG'91		% CHANGE YTD'90–YTD'91	
	Units	Value	Units	Value
Used & rebuilt & under $2,500	48.3%	47.3%	18.6%	8.2%
Boring machines	162.5%	72.0%	23.9%	-18.0%
Drilling machines	-20.4%	6.1%	20.6%	27.8%
Gear cutting machines	75.0%	10.2%	9.4%	27.2%
Grinding machines	-4.9%	-51.8%	0.3%	-14.6%
NC horizontal lathes	-23.3%	-18.4%	-30.7%	-30.0%
NC vertical lathes	-91.7%	-99.5%	-45.8%	-75.0%
Non-NC lathes	-43.5%	13.1%	-35.1%	-13.4%
Milling machines	71.4%	40.5%	26.4%	16.7%
Machining centers	-25.0%	-59.1%	-28.5%	-25.7%
Station type machines	NA	NA	-27.5%	77.5%
Other metal cutting machines	21.1%	64.3%	-16.7%	12.8%
Punching & shearing machines	45.6%	113.8%	-13.3%	-19.1%
Bending & forming machines	-34.6%	-29.3%	-5.8%	14.3%
Presses	-5.3%	50.5%	-16.3%	-17.7%
Forging machines	40.7%	63.7%	-13.8%	15.4%
Other metal forming machines	-16.7%	86.2%	-17.4%	37.2%
MACHINE TOOL TOTAL	35.2%	12.2%	11.2%	3.0%

1991 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1991		FEBRUARY 1991		MARCH 1991		APRIL 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $2,500	71,667	$13,094,991	94,612	$15,968,463	63,827	$14,630,134	91,842	$16,332,717
Boring machines	75	3,212,626	65	3,295,233	55	6,672,018	47	5,623,400
Drilling machines	136	5,284,960	72	2,124,951	105	5,761,640	107	2,964,231
Gear cutting machines	34	7,247,022	30	2,608,872	12	3,256,264	23	6,619,154
Grinding machines	662	23,141,603	464	17,045,322	540	20,820,588	509	26,824,722
NC horizontal lathes	158	17,509,455	251	25,854,656	244	28,306,454	280	25,531,297
NC vertical lathes	9	1,367,349	15	2,253,656	9	2,973,011	15	3,573,928
Non-NC lathes	722	8,815,703	340	4,755,176	312	7,055,881	317	4,534,633
Milling machines	449	12,771,541	257	2,795,380	250	4,970,541	330	9,449,803
Machining centers	293	33,595,255	212	22,089,069	167	23,849,656	189	59,165,452
Station type machines	14	4,189,738	4	1,830,253	5	1,401,630	19	4,376,300
Other metal cutting machines	448	11,368,644	217	12,635,073	254	16,773,980	329	18,589,257
Punching & shearing machines	67	5,697,766	59	1,638,364	89	5,334,266	100	4,429,933
Bending & forming machines	189	6,557,096	183	8,695,550	147	8,228,937	122	3,949,688
Presses	72	16,236,188	317	9,033,944	163	8,995,976	85	51,444,817
Forging machines	59	5,028,586	47	2,528,010	51	5,954,214	44	6,285,995
Other metal forming machines	286	13,786,011	230	15,783,509	277	12,006,374	243	13,702,533
MACHINE TOOL TOTAL	75,340	188,904,534	97,375	150,935,481	66,507	176,991,564	94,601	263,397,860

PRODUCT TYPES	MAY 1991		JUNE 1991		JULY 1991		AUGUST 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & Rebuilt & Under $2,500	61,461	$13,487,177	60,137	$11,892,444	55,148	$13,352,862	74,318	$11,870,677
Boring machines	53	7,001,111	55	3,314,472	51	3,685,439	45	1,801,332
Drilling machines	79	6,287,879	146	3,825,684	73	2,839,334	86	2,335,487
Gear cutting machines	91	4,865,147	57	3,552,435	32	3,543,870	19	3,725,410
Grinding machines	515	14,511,571	382	13,752,180	468	18,779,695	386	21,596,437
NC horizontal lathes	197	20,692,781	196	20,231,721	199	18,351,920	227	23,514,958
NC vertical lathes	2	1,159,139	6	908,254	10	2,266,809	13	3,920,266
Non-NC lathes	442	10,258,079	402	8,630,438	555	6,940,660	308	4,206,757
Milling machines	226	5,441,990	328	6,999,359	374	6,736,063	292	4,643,995
Machining centers	199	40,498,256	231	62,377,569	249	23,528,172	204	28,546,978
Station type machines	16	13,375,688	8	1,595,456	8	8,078,447	16	13,974,758
Other metal cutting machines	252	18,837,312	314	9,426,321	298	12,496,402	289	12,912,572
Punching & shearing machines	109	4,442,498	74	5,337,144	106	5,805,391	84	4,603,173
Bending & forming machines	124	7,388,462	129	5,919,854	156	7,413,619	131	4,386,000
Presses	301	9,718,955	131	5,872,448	102	5,129,418	307	6,092,772
Forging machines	152	6,220,779	69	5,986,386	35	1,841,002	87	6,995,815
Other metal forming machines	172	10,036,703	180	9,024,713	194	9,644,967	131	9,510,828
MACHINE TOOL TOTAL	64,391	194,223,527	62,845	178,646,878	58,058	150,434,070	76,943	164,638,215

1991 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	AUGUST 1991 YTD		AUGUST 1990		AUGUST 1990 YTD		% CHANGE JULY'91–AUG'91	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & Rebuilt & Under $2,500	573,012	$110,629,465	69,939	$13,198,803	537,734	$89,154,708	34.8%	-11.1%
Boring machines	446	34,605,631	40	4,597,123	369	23,308,613	-11.8%	-51.1%
Drilling machines	804	31,424,166	130	4,735,213	932	27,563,916	17.8%	-17.7%
Gear cutting machines	298	35,418,174	54	7,485,351	286	25,115,163	-40.6%	5.1%
Grinding machines	3,926	156,472,118	821	31,832,312	5,105	169,387,746	-17.5%	15.0%
NC horizontal lathes	1,752	179,993,242	274	30,277,624	1,997	189,198,638	14.1%	28.1%
NC vertical lathes	79	18,422,412	39	3,149,926	98	15,742,834	30.0%	72.9%
Non-NC lathes	3,398	55,197,327	498	8,340,641	5,112	72,736,825	-44.5%	-39.4%
Milling machines	2,506	53,808,672	348	7,789,763	3,444	50,306,041	-21.9%	-31.1%
Machining centers	1,744	293,650,407	239	40,781,551	1,997	248,010,154	-18.1%	21.3%
Station type machines	90	48,822,270	17	14,951,123	107	37,159,415	100.0%	73.0%
Other metal cutting machines	2,401	113,039,561	542	27,220,071	2,949	101,680,135	-3.0%	3.3%
Punching & shearing machines	688	37,288,535	163	6,554,127	1,052	43,912,030	-20.8%	-20.7%
Bending & forming machines	1,181	52,539,206	216	15,096,724	1,350	48,392,727	-16.0%	-40.8%
Presses	1,478	112,524,518	902	21,031,332	1,710	50,267,254	201.0%	18.8%
Forging machines	544	40,840,787	42	3,824,899	597	37,373,610	148.6%	280.0%
Other metal forming machines	1,713	93,495,638	227	13,026,763	1,630	78,200,032	-32.5%	-1.4%
MACHINE TOOL TOTAL	596,060	1,468,172,129	74,491	253,893,346	566,469	1,307,509,841	32.5%	9.4%

PRODUCT TYPES	% CHANGE AUG'90–AUG'91		% CHANGE YTD'90–YTD'91	
	Units	Value	Units	Value
Used & Rebuilt & Under $2,500	6.3%	-10.1%	6.6%	24.1%
Boring machines	12.5%	-60.8%	20.9%	48.5%
Drilling machines	-33.8%	-50.7%	-13.7%	14.0%
Gear cutting machines	-64.8%	-50.2%	4.2%	41.0%
Grinding machines	-53.0%	-32.2%	-23.1%	-7.6%
NC horizontal lathes	-17.2%	-22.3%	-12.3%	-4.9%
NC vertical lathes	-66.7%	24.5%	-19.4%	17.0%
Non-NC lathes	-38.2%	-49.6%	-33.5%	-24.1%
Milling machines	-16.1%	-40.4%	-27.2%	7.0%
Machining centers	-14.6%	-30.0%	-12.7%	18.4%
Station type machines	-5.9%	-6.5%	-15.9%	31.4%
Other metal cutting machines	-46.7%	-52.6%	-18.6%	11.2%
Punching & shearing machines	-48.5%	-29.8%	-34.6%	-15.1%
Bending & forming machines	-39.4%	-70.9%	-12.5%	8.6%
Presses	-66.0%	-71.0%	-13.6%	123.9%
Forging machines	107.1%	82.9%	-8.9%	9.3%
Other metal forming machines	-42.3%	-27.0%	5.1%	19.6%
MACHINE TOOL TOTAL	3.3%	-35.2%	5.2%	12.3%

U.S. EXPORTS
Metal Cutting Machine Tools - August 91

RELEASED: October 30, 1991

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	85	5972	8	497
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	56	8089	3	404
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	12	2496	0	0
100035	Horizontal machining centers, ATC	26	9887	0	0
100045	Machining centers, n.e.c.	104	10847	9	544
200010	Unit construction mach. (single station transfer), NC	5	2147	0	0
200090	Unit construction mach. (single station transfer), non-NC	10	2767	0	0
300010	Multi-station transfer machines, NC	8	14559	0	0
300090	Multi-station transfer machines, non-NC	10	17657	0	0
8458110010	Horizontal lathes, multiple spindle, NC	22	3104	1	62
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	142	12180	14	1230
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	26	3893	6	589
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	18	3349	2	230
190030	Horizontal engine or toolroom lathes, non-NC	30	492	4	137
190050	Automatic bar and/or chucking mach., single spindle, non-NC	17	205	2	32
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	34	2340	2	601
190090	Horizontal lathes, n.e.c., non-NC	179	4932	19	773
911060	Vertical turret lathes, multiple spindle, NC	0	0	0	0
911080	Vertical turret lathes, n.e.c., NC	1	261	0	0
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	25	1694	1	22
991050	Vertical turret lathes, non-NC	26	401	0	0
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	51	1941	8	340
8459100000	Way-type unit head machines	4	257	2	80
210080	Other drilling machines, NC	132	10101	12	1121
290040	Drilling machines, multiple spindle, non-NC	2	287	2	287
290050	Drilling machines, radial, non-NC	16	269	3	23
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	20	619	2	6
290090	Drilling machines, n.e.c., non-NC	721	4903	59	323
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	1	394	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	6	3853	2	883
310070	Boring-milling machines, n.e.c., NC	18	1217	2	90
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	2	113	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	15	357	5	104
400040	Boring machines, vertical, NC	6	471	0	0
400050	Boring machines, vertical, non-NC	27	1227	3	66
400070	Boring machines, n.e.c., NC	1	148	0	0
400080	Boring machines, n.e.c., non-NC	69	3271	9	620
510080	Milling machines, knee type, NC	16	1284	2	173
590030	Milling machines, knee type, non-NC	83	3085	13	477
610080	Milling machines, excluding knee type, n.e.c., NC	46	16549	1	69
690050	Milling machines, profile, dup., or die sinking, non-NC	3	24	0	0
690070	Milling machines, bed type, non-NC	1	37	0	0
690090	Milling machines, n.e.c., non-NC	225	7710	32	1917
700020	Threading or tapping machines, n.e.c., NC	49	2067	4	97
700080	Threading or tapping machines, n.e.c., non-NC	156	5726	11	543
8460110080	Flat surface grinding machines, NC	45	3797	10	328
190010	Flat surface grinding mach., recip.-table type, non-NC	54	783	5	83
190050	Flat surface grinding machines, n.e.c., non-NC	26	3320	4	728
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	91	29680	5	1061
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	29	4670	4	322
290030	Grinding machines, internal cylindrical, non-NC	12	820	1	34
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	287	8955	37	1555
310080	Sharpening machines (tool & cutter grinding), NC	23	1739	3	282
390050	Sharpening machines (tool & cutter grinding), non-NC	685	5939	81	517
400060	Honing or lapping machines, NC	5	340	4	290
400080	Honing or lapping machines, non-NC	405	5966	30	337
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	3	77	0	0
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	820	10243	124	1251
8461100060	Planing machines, NC	1	200	1	200
100080	Planing machines, non-NC	131	4781	26	1976
200010	Shaping or slotting machines, NC	10	1460	1	410
200090	Shaping or slotting machines, non-NC	28	747	3	79
300060	Broaching machines, NC	9	1196	6	706
300080	Broaching machines, non-NC	31	1595	2	72
401050	Gear hobbers	41	3217	1	29
401070	Gear shapers	7	742	1	70
401090	Gear cutting machines, n.e.c.	79	35908	4	2127
405060	Gear grinding or finishing machines	47	5533	1	250
500050	Sawing or cutting-off machines, NC	65	3425	12	458
500090	Sawing or cutting-off machines, non-NC	1035	12430	107	1229
9000000001	Metal cutting machine tools, n.e.c.	582	19483	100	3364
9800000001	Used or rebuilt machine tools	4594	52637	1408	14247
9900000001	Machine tools valued at less than $3,025	29713	16512	4284	1949
	Cutting Total			6508	46293
	Y-T-D Cutting Total	41364	409377		
	NC Y-T-D Cutting Total*	1223	166409		

Please see notes on last page
of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - August 91

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	2	76
8457100015	0	0	0	0	0	0	0	0	1	177
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	1	140
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	1	76
110050	0	0	0	0	0	0	0	0	1	112
110090	0	0	0	0	0	0	0	0	2	230
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	1	22
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	6	65
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	1	147
8459100000	0	0	0	0	0	0	0	0	0	0
210080	1	40	0	0	0	0	0	0	1	147
290040	0	0	0	0	0	0	0	0	1	270
290050	0	0	0	0	0	0	0	0	1	4
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	3	21	32	177
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	1	235
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	82
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	186
510080	0	0	0	0	0	0	0	0	1	145
590030	1	19	0	0	0	0	0	0	1	29
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	4	274
700020	0	0	0	0	3	78	0	0	0	0
700080	0	0	0	0	1	48	0	0	3	13
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	1	18
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	2	230
290030	0	0	0	0	0	0	0	0	0	0
290050	1	21	0	0	0	0	0	0	1	36
310080	0	0	0	0	0	0	0	0	1	221
390050	0	0	0	0	0	0	7	47	8	55
400060	0	0	0	0	0	0	0	0	1	31
400080	0	0	2	32	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	1	10	0	0	0	0	11	209	18	152
8461100060	0	0	0	0	1	200	0	0	0	0
100080	0	0	0	0	12	976	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	1	23	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	6	706
300080	0	0	0	0	0	0	0	0	2	72
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	11	399
500090	1	11	0	0	0	0	0	0	11	84
9000000001	0	0	0	0	1	371	2	24	19	188
9800000001	2	27	0	0	1	6	0	0	164	2214
9900000001	101	90	0	0	99	63	7	4	252	298
Month Tot	109	240	2	32	118	1742	30	305	560	7310
Y-T-D Tot	648	3217	56	687	846	8151	334	8718	3927	58793
NC YTD Tot*	6	1163	0	0	44	4834	28	4121	220	32493

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - August 91

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	1	33	0	0	4	357	0	0	0	0
8457100015	0	0	0	0	1	119	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	1	51	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	2	19
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	3	28	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	3	98	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	1	307	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	1	34	0	0	0	0
290050	0	0	0	0	0	0	8	626	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	4	27	18	121	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	4	42	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	22	269	3	36	12	84	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	1	410	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	1	53
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	1	457	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	2	9	4	27	0	0	0	0
9000000001	0	0	21	576	4	200	0	0	0	0
9800000001	1	1038	15	36	1	5	315	788	4	66
9900000001	0	0	116	63	290	105	0	0	24	14
Month Tot	26	2058	162	798	346	1677	323	1414	31	152
Y-T-D Tot	526	18921	1250	11339	2810	40605	789	10518	60	4608
NC YTD Tot*	38	12653	50	7019	164	25819	11	2014	3	723

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - August 91

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	1	109	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	2	134	0	0	0	0	3	160
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	1	62	0	0	0	0	0	0
110030	0	0	6	473	3	228	0	0	0	0
110050	0	0	0	0	3	220	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	1	10
190070	0	0	0	0	0	0	0	0	1	556
190090	0	0	0	0	0	0	0	0	8	277
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	1	22
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	6	142	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	2	80
210080	0	0	0	0	1	34	0	0	3	282
290040	0	0	0	0	0	0	0	0	1	17
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	1	7	0	0	10	44	0	0	7	35
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	2	90
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	4	22
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	2	26	16	1450	0	0	6	40
700020	0	0	0	0	0	0	0	0	0	0
700060	0	0	0	0	0	0	0	0	2	459
8460110080	0	0	0	0	2	55	0	0	2	73
190010	0	0	0	0	3	58	0	0	0	0
190050	0	0	0	0	0	0	0	0	1	95
210080	0	0	3	450	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	10	360	0	0	1	254	0	0	16	258
310080	1	35	0	0	0	0	0	0	0	0
390050	1	5	31	197	3	21	1	4	4	15
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	6	68	2	30	0	0	1	3
900060	0	0	0	0	0	0	0	0	0	0
900080	4	20	4	50	2	30	0	0	9	59
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	3	520	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	1	29
401070	0	0	0	0	0	0	0	0	0	0
401090	1	316	2	1355	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	1	59	0	0
500090	0	0	9	41	12	219	1	10	29	159
9000000001	0	0	9	414	6	130	1	21	12	179
9800000001	15	105	8	29	19	5130	5	250	298	1054
9900000001	34	15	517	244	131	101	56	64	956	301
Month Tot	68	972	603	4063	220	8144	65	408	1370	4275
Y-T-D Tot	743	9053	4496	41651	2664	36550	225	2893	7893	37878
NC YTD Tot*	16	3784	106	11392	58	10278	6	187	146	13783

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - August 91

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	1	40
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	1	47
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	1	10	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	24	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	1	5	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	1	648	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	10	403	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	1	3
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	1	8
190050	0	0	0	0	0	0	0	0	1	213
210080	0	0	0	0	0	0	0	0	0	0
290010	2	92	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	1	7	3	15	0	0	2	30
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	1	5	2	31	2	12	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	4	90	0	0	0	0	4	86
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	1	250	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	1	29	0	0	0	0	6	118
9000000001	1	257	0	0	0	0	3	32	9	731
9800000001	4	24	5	126	0	0	0	0	3	28
9900000001	31	19	349	112	23	15	31	31	29	44
Month Tot	39	398	373	1443	28	61	38	334	58	1349
Y-T-D Tot	491	3792	2173	6600	210	1234	693	4214	1110	9278
NC YTD Tot*	7	1575	18	1913	1	27	17	2258	27	3260

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - August 91

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	1	32
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	2	70
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	3	377	0	0	0	0	1	76
110050	0	0	0	0	1	132	1	126	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	2	74	0	0	0	0	1	15
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	1	45
190090	0	0	0	0	0	0	4	422	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	5	594
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	2	6
290090	0	0	0	0	0	0	0	0	2	7
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	3	66
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	8	434
510080	0	0	1	28	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	1	25
610080	0	0	0	0	0	0	0	0	1	69
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	4	126	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	1	19
700080	0	0	1	10	0	0	0	0	3	10
8460110080	0	0	0	0	0	0	0	0	3	103
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	2	420	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	303
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
310080	0	0	1	26	0	0	0	0	0	0
390050	0	0	4	25	0	0	0	0	0	0
400060	0	0	3	259	0	0	0	0	0	0
400080	0	0	1	5	0	0	0	0	8	105
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	5	48	7	80	7	78	14	78
8461100060	0	0	0	0	0	0	0	0	0	0
100080	1	22	0	0	0	0	1	13	1	269
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	1	4	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	1	70
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	14	296	5	91	6	88	6	47
9000000001	1	7	0	0	0	0	7	89	4	145
9800000001	0	0	513	1860	0	0	4	63	31	1398
9900000001	102	10	151	59	0	0	135	46	850	249
Month Tot	104	39	706	3618	13	302	165	924	951	4235
Y-T-D Tot	662	1734	3065	21021	166	17926	747	8143	4780	41855
NC YTD Tot*	13	800	106	10114	5	456	19	1948	114	13796

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
August 91

RELEASED: October 30, 1991

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	216	4984	19	670
8462100030	Headers and upsetters, including cold headers	39	19408	6	6113
100050	Forging or die stamping machines, and hammers, n.e.c.	198	20836	32	2974
210080	Bending, folding, straight. or flat. mach., incl presses, NC	176	18302	18	915
290030	Press brakes, non-NC	77	2747	9	132
290040	Bending rolls, non-NC	41	1098	1	13
290050	Bending, folding, straight., or flat., n.e.c., non-NC	873	28449	148	5606
310080	Shearing machines, NC	68	5208	3	212
390050	Shearing machines, non-NC	235	6457	35	1424
410080	Punching or notching mach., incl. comb. punch & shear, NC	82	12392	15	1571
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	531	12726	62	1602
910060	Hydraulic presses, NC	20	892	2	119
910090	Hydraulic presses, non-NC	409	12561	47	1868
990030	Presses, n.e.c., NC	139	7038	11	402
990040	Presses, mechanical, non-NC	119	10255	5	508
990060	Presses, n.e.c., non-NC	629	25757	61	4439
8463100080	Draw benches for bars, tubes, profiles, wire or the like	155	5986	10	339
200080	Thread rolling machines	36	1122	11	348
300080	Machines for working wire	494	14414	41	717
900080	Metal forming machine tools, n.e.c.	892	63969	113	9238
9800000002	Used or rebuilt machine tools	2385	40372	178	4319
9900000002	Machine tools valued at less than $3,025	10845	8445	341	1004

	TOTAL YTD UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000
Forming Total			2168	44532
Y-T-D Forming Total	18659	323417		
NC Y-T-D Forming Total	485	43831		
Cutting and Forming Totals:				
Monthly Total			8676	90825
Y-T-D Total	60023	732794		
NC Y-T-D Total*	1708	210240		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	444819	0	49470
2000000000	Parts for working rubber or plastics - heading 8477	0	177083	0	18931
2710003070	Quenching or cutting oils	0	4655	0	678
8428900010	Industrial robots for lifting, handling, loading or unload	431	3854	73	296
8431390090	Parts industrial robots, handling and loading - heading 8428	0	66684	0	6291
8456100000	Laser, light or photon beam for working any material	409	24852	34	1860
200000	Ultrasonic process for working any material	43	1051	1	29
8477106010	Injection molding mach., for rubber or oth. thermosetting	182	12848	22	2219
106070	Injection molding machines, for thermoplastics	283	32025	46	4259
200005	Extruders; rubber or other thermosetting mat., single screw	88	6581	4	135
200015	Extruders; rubber or thermosetting, other incl. multi. screw	103	8958	7	265
200030	Extruders; thermoplastics, single screw	343	15820	22	1426
200060	Extruders; thermoplastics, other incl. multi. screw	69	6872	5	127
300000	Blow molding machines	391	20954	59	1725
400000	Vacuum-molding and other thermoforming machines	707	5055	50	97
510010	Machines for molding or retreading pneumatic tires	2194	11515	346	2565
510090	Machines for molding or otherwise forming inner tubes	394	10134	16	1520
590000	Machines for molding or otherwise forming n.e.c.	1094	16604	121	808
800000	Machines for working rubber or plastics n.e.c.	3420	50049	461	7925
8479899040	Industrial robots, n.e.c.	4009	44784	646	6825
908040	Industrial robot parts	0	23695	0	2226
8537100030	Numerical controls for controlling machine tools	1096	15807	130	1994
9024100000	Machines and appliances for testing metals	0	48137	0	7205
9031100000	Machines for balancing mechanical parts	0	19323	0	2417
300000	Profile projectors	0	3296	0	316
9032810040	Industrial process control instr., hydraulic or pneumatic	601307	33140	47405	3108

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
August 91

Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	1	11	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	2	210
290030	0	0	0	0	0	0	0	0	2	38
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	1	59	22	675	23	213
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	23
410080	0	0	0	0	0	0	1	46	1	232
490050	3	107	0	0	0	0	0	0	18	240
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	3	87	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	0	0	4	34
8463100080	0	0	0	0	2	35	0	0	0	0
200080	0	0	0	0	0	0	0	0	1	110
300060	0	0	0	0	0	0	0	0	2	62
900080	18	6013	0	0	0	0	1	16	9	78
9800000002	0	0	0	0	0	0	0	0	35	455
9900000002	63	18	0	0	45	26	9	7	162	153
Month Tot	84	6138	0	0	51	207	34	756	260	1847
Y-T-D Tot	391	8831	12	324	301	2092	158	4825	2256	30441
NC YTD Tot	3	181	3	99	20	554	6	632	56	7173
C&F Month	193	6378	2	32	169	1948	64	1061	820	9157
C&F Y-T-D	1039	12048	68	1011	1147	10242	492	13543	6183	89234
C&F NC YTD*	9	1344	3	99	64	5388	34	4753	276	39666

Other Manufacturing Technology

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	1134	0	139	0	840	0	593	0	9165
2000000000	0	161	0	335	0	111	0	485	0	4148
2710003070	0	5	0	0	0	0	0	19	0	128
8428900010	0	0	0	0	0	0	0	0	6	147
8431390090	0	112	0	0	0	326	0	0	0	655
8456100000	0	0	0	0	1	25	0	0	3	236
200000	0	0	0	0	0	0	0	0	0	0
8477106010	1	26	0	0	2	676	0	0	1	35
106070	0	0	0	0	2	132	0	0	4	408
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	7	265
200030	0	0	0	0	0	0	1	36	0	0
200060	1	25	1	15	0	0	0	0	0	0
300000	1	3	0	0	0	0	0	0	1	29
400000	0	0	0	0	0	0	0	0	1	83
510010	0	0	0	0	0	0	4	108	30	753
510090	0	0	0	0	0	0	1	518	0	0
590000	50	17	0	0	0	0	1	18	2	64
800000	5	20	0	0	2	58	2	30	114	2575
8479899040	1	11	0	0	0	0	0	0	456	3578
908040	0	9	0	0	0	11	0	0	0	646
8537100030	3	42	0	0	0	0	4	101	6	84
9024100000	0	21	0	0	0	11	0	88	0	475
9031100000	0	3	0	0	0	0	0	0	0	602
300000	0	0	0	0	0	0	0	0	0	7
9032810040	515	35	93	7	471	31	255	28	2543	274

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
August 91

Metal Forming

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	1	7	11	520	1	10	0	0
8462100030	0	0	0	0	2	168	0	0	0	0
100050	0	0	8	542	2	83	0	0	0	0
210080	0	0	0	0	1	24	1	29	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	2	92	0	0	0	0
310080	0	0	0	0	6	0	0	0	0	0
390050	0	0	0	0	1	85	0	0	0	0
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	0	0	7	158	0	0	9	108
910060	0	0	0	0	2	119	0	0	0	0
910090	0	0	0	0	12	400	0	0	5	157
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	1	25	0	0	0	0
990060	0	0	0	0	16	1168	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	1	14
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	5	32	6	111	0	0	0	0
900080	27	932	1	834	0	0	0	0	0	0
9800000002	0	0	11	293	6	327	0	0	0	0
9900000002	0	0	101	87	105	69	15	13	0	0
Month Tot	27	932	127	1794	174	3347	17	53	15	279
Y-T-D Tot	321	19239	769	18452	1387	30675	89	872	111	3735
NC YTD Tot	16	1571	32	2613	32	3557	2	170	0	0
C&F Month	53	2990	289	2593	520	5024	340	1466	46	430
C&F Y-T-D	847	38161	2019	29791	4197	71280	878	11390	171	8343
C&F NC YTD*	54	14225	82	9632	196	29376	13	2183	3	723

Other Manufacturing Technology

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	549	0	2887	0	5808	0	110	0	131
2000000000	0	182	0	1392	0	1266	0	43	0	24
2710003070	0	0	0	0	0	0	0	0	0	56
8428900010	0	0	0	0	4	4	0	0	0	0
8431390090	0	0	0	164	0	114	0	0	0	182
8456100000	0	0	0	0	2	369	0	0	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	1	141	5	230	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	8	287	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	2	54	0	0	0	0
400000	0	0	20	10	0	0	0	0	0	0
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	4	46	1	22	0	0	0	0
800000	19	978	0	0	1	8	132	521	0	0
8479899040	0	0	23	188	85	1952	0	0	1	20
908040	0	0	0	17	0	214	0	0	0	0
8537100030	4	60	9	136	16	223	0	0	0	0
9024100000	0	0	0	50	0	558	0	45	0	0
9031100000	0	10	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
9032810040	0	0	3422	191	2263	191	85	12	0	0

Note: Poduct Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
August 91

Metal Forming

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	2	85
8462100030	1	3009	3	2936	0	0	0	0	0	0
100050	1	142	0	0	2	116	0	0	11	1501
210080	0	0	1	62	3	139	0	0	2	138
290030	0	0	0	0	0	0	0	0	6	60
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	5	30	3	104	0	0	12	291
310080	0	0	2	137	1	75	0	0	0	0
390050	1	7	6	35	5	70	0	0	11	382
410080	0	0	0	0	2	514	0	0	1	22
490050	0	0	0	0	0	0	0	0	11	377
910060	0	0	0	0	0	0	0	0	0	0
910090	1	72	0	0	0	0	0	0	23	590
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	1	30	0	0	0	0	0	0
990060	0	0	6	366	2	615	1	240	25	191
8463100080	0	0	1	7	0	0	0	0	2	46
200080	0	0	9	222	0	0	0	0	0	0
300080	1	4	5	89	2	29	0	0	5	147
900080	0	0	6	119	4	120	3	70	10	122
9800000002	4	178	1	112	1	180	0	0	60	700
9900000002	15	15	91	77	45	39	7	6	260	217
Month Tot	24	3428	137	4221	70	2002	11	316	441	4869
Y-T-D Tot	474	9493	1266	27921	633	18843	113	1176	3770	40297
NC YTD Tot	4	606	36	4170	39	4041	1	29	54	5144
C&F Month	92	4400	740	8284	290	10146	76	724	1811	9145
C&F Y-T-D	1217	18546	5762	69571	3297	55392	338	4069	11663	78175
C&F NC YTD*	20	4390	142	15561	97	14319	7	216	200	18927

Other Manufacturing Technology

1000000000	0	998	0	3599	0	2028	0	477	0	4354
2000000000	0	163	0	2073	0	255	0	648	0	1911
2710003070	0	0	0	158	0	33	0	0	0	0
8428900010	1	6	61	136	0	0	0	0	1	3
8431390090	0	6	0	323	0	35	0	0	0	712
8456100000	2	87	5	102	1	155	0	0	0	0
200000	0	0	0	0	0	0	0	0	1	29
8477106010	0	0	0	0	0	0	0	0	10	511
106070	0	0	5	473	0	0	0	0	19	2477
200005	0	0	1	50	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	4	88	2	50	0	0	3	86
200060	0	0	0	0	0	0	0	0	3	88
300000	1	9	0	0	1	24	0	0	37	790
400000	0	0	29	3	0	0	0	0	0	0
510010	0	0	0	0	19	480	0	0	2	57
510090	0	0	1	643	0	0	0	0	3	36
590000	0	0	9	177	4	89	0	0	26	12
800000	18	284	34	1055	1	21	1	19	50	1044
8479899040	0	0	14	437	1	9	0	0	53	320
908040	0	5	0	471	0	6	0	0	0	193
8537100030	1	12	3	48	6	94	7	100	4	65
9024100000	0	57	0	1979	0	294	0	15	0	194
9031100000	0	0	0	100	0	1116	0	0	0	140
300000	0	36	0	108	0	114	0	0	0	5
9032810040	1238	197	1106	89	872	53	52	3	588	63

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
August 91

Metal Forming

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	5	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	29	1	35	0	0	3	102
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	4	95	0	0	0	0	2	12
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	2	235	0	0	0	0	0	0	8	521
490050	1	5	0	0	0	0	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	1	13
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	0	0	1	181
8463100080	1	207	0	0	0	0	0	0	0	0
200080	0	0	1	16	0	0	0	0	0	0
300080	1	12	0	0	1	16	2	31	0	0
900080	1	9	1	10	0	0	0	0	0	0
9800000002	0	0	1	25	1	415	2	24	2	50
9900000002	56	32	62	26	0	0	28	24	0	0
Month Tot	63	505	70	201	3	467	32	80	17	879
Y-T-D Tot	756	8238	351	4421	147	4103	249	1515	217	6144
NC YTD Tot	17	1920	13	836	5	250	3	181	20	1437
C&F Month	102	903	443	1644	31	527	70	414	75	2228
C&F Y-T-D	1247	12030	2524	11020	357	5337	942	5729	1327	15422
C&F NC YTD*	24	3495	31	2749	6	277	20	2439	47	4697

Other Manufacturing Technology

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	617	0	956	0	350	0	567	0	782
2000000000	0	169	0	139	0	64	0	149	0	291
2710003070	0	0	0	13	0	0	0	4	0	87
8428900010	0	0	0	0	0	0	0	0	0	0
8431390090	0	192	0	11	0	4	0	3	0	361
8456100000	3	271	0	0	0	0	0	0	1	75
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	1	27
106070	0	0	0	0	0	0	0	0	0	0
200005	0	0	0	0	0	0	0	0	1	40
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	1	500	0	0	0	0	2	360
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
400000	0	0	0	0	0	0	0	0	0	0
510010	235	397	0	0	1	75	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	10	120	0	0	4	59	0	0	0	0
800000	0	0	1	10	0	0	0	0	2	19
8479899040	0	0	1	3	1	5	0	0	0	0
908040	0	18	0	0	0	0	0	265	0	26
8537100030	0	0	38	560	1	12	0	0	4	45
9024100000	0	27	0	125	0	28	0	108	0	349
9031100000	0	0	0	186	0	24	0	0	0	3
300000	0	0	0	13	0	0	0	0	0	24
9032810040	4230	524	4505	257	595	36	74	7	7	12

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
August 91

Metal Forming

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	2	33
8462100030	0	0	0	0	0	0	0	0	0	0
100050	1	181	0	0	0	0	0	0	7	408
210080	2	97	0	0	0	0	0	0	1	51
290030	0	0	0	0	0	0	1	33	0	0
290040	0	0	0	0	0	0	0	0	1	13
290050	0	0	65	3907	0	0	0	0	9	128
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	10	822
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	0	0	0	0	0	0	13	608
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	1	506	0	0	0	0	1	43
990030	0	0	0	0	0	0	0	0	11	402
990040	0	0	2	401	0	0	0	0	1	52
990060	0	0	3	1565	0	0	0	0	3	80
8463100080	0	0	3	30	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	1	7	0	0	0	0	0	0	10	174
900080	1	11	5	121	0	0	0	0	26	784
9800000002	9	526	9	152	0	0	0	0	36	884
9900000002	8	5	77	69	0	0	14	12	178	106
Month Tot	22	826	165	6750	0	0	15	46	309	4589
Y-T-D Tot	260	7179	1254	24182	3	123	264	1574	3107	48722
NC YTD Tot	13	1174	48	2089	2	97	1	41	59	5268
C&F Month	126	865	871	10369	13	302	180	969	1260	8824
C&F Y-T-D	922	8913	4319	45203	169	18049	1011	9716	7887	90577
C&F NC YTD*	26	1974	154	12203	7	553	20	1989	173	19064

Other Manufacturing Technology

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	554	0	3567	0	17	0	709	0	8537
2000000000	0	567	0	806	0	0	0	298	0	3247
2710003070	0	10	0	0	0	0	0	3	0	161
8428900010	0	0	0	0	0	0	0	0	0	0
8431390090	0	236	0	239	0	0	0	594	0	2023
8456100000	0	0	11	215	0	0	0	0	5	326
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	1	110	0	0	3	667	3	166
106070	1	64	0	0	0	0	4	147	5	187
200005	0	0	0	0	0	0	2	45	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	0	0	0	0	1	20
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	14	601	0	0	0	0	2	216
400000	0	0	0	0	0	0	0	0	0	0
510010	0	0	0	0	0	0	0	0	55	695
510090	0	0	0	0	0	0	0	0	11	323
590000	0	0	8	145	0	0	0	0	2	41
800000	0	0	3	294	0	0	0	0	76	989
8479899040	0	0	7	249	1	47	0	0	2	4
908040	0	0	0	201	0	0	0	51	0	94
8537100030	0	0	21	378	0	0	0	0	3	34
9024100000	0	401	0	490	0	0	0	0	0	1890
9031100000	0	100	0	31	0	0	0	0	0	100
300000	0	0	0	0	0	0	0	0	0	10
9032810040	6600	20	5227	298	3	14	112	6	12549	761

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
August 91

EUROPE

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
Bulgaria	0	0	0	0	0	0
Czechoslovakia	0	0	0	0	0	0
Denmark	0	0	15	57	15	57
Finland	0	0	2	8	2	8
Greece	0	0	0	0	0	0
Hungary	0	0	1	52	1	52
Iceland	0	0	0	0	0	0
Ireland	11	918	26	1286	37	2204
Luxembourg	0	0	4	3	4	3
Norway	3	16	0	0	3	16
Poland	0	0	0	0	0	0
Portugal	8	336	7	6	15	342
Romania	0	0	0	0	0	0
Sweden	19	61	21	80	40	141
Turkey	1	303	13	79	14	382
Yugoslavia	0	0	2	14	2	14
Oth Europe	1	15	0	0	1	15
TOTAL	1563	11584	730	18164	2293	29748

NORTH AND CENTRAL AMERICA

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
Bahamas	0	0	0	0	0	0
Barbados	0	0	0	0	0	0
Belize	5	9	0	0	5	9
Bermuda	0	0	0	0	0	0
Costa Rica	10	43	7	73	17	116
Dominican Rep	23	96	15	29	38	125
El Salvador	1	3	0	0	1	3
Guatemala	0	0	6	497	6	497
Haiti	0	0	0	0	0	0
Honduras	3	8	1	8	4	16
Jamaica	544	16	1	3	545	19
Panama	2	4	0	0	2	4
Trinidad	1	3	0	0	1	3
Oth N & C Am.	0	0	0	0	0	0
TOTAL	2519	11767	731	7326	3250	19093

SOUTH AMERICA

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
Argentina	9	355	33	24	42	379
Bolivia	0	0	0	0	0	0
Chile	11	670	35	96	46	766
Colombia	0	0	2	12	2	12
Ecuador	0	0	2	25	2	25
Paraguay	0	0	0	0	0	0
Peru	3	26	2	39	5	65
Uruguay	4	10	0	0	4	10
Oth South Am.	0	0	0	0	0	0
TOTAL	222	2290	123	997	345	3287

OCEANIA

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
New Zealand	5	6	5	16	10	22
Oth Oceania	0	0	0	0	0	0
TOTAL	114	246	89	6154	203	6399

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
August 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	57	552	33	699	90	1251
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	14	112	6	114	20	225
Jordan	0	0	0	0	0	0
Kuwait	36	12	0	0	36	12
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	9	25	11	817	20	843
Qatar	0	0	0	0	0	0
Saudi Arabia	35	205	6	395	41	599
Sri Lanka	0	0	0	0	0	0
Syria	0	0	0	0	0	0
United Arab Emr	22	13	34	11	56	24
Vietnam	0	0	0	0	0	0
Oth Asia	66	6	0	0	66	6
TOTAL	2042	19994	476	11744	2518	31738
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	11	17	3	66	14	83
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	0	0	3	29	3	29
Guinea	0	0	0	0	0	0
Kenya	0	0	1	27	1	27
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	6	126	0	0	6	126
South Africa	31	270	11	9	42	279
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	0	0	1	16	1	16
Zimbabwe	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	48	412	19	147	67	559

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS - Metal Cutting Machine Tools - August 91

RELEASED: October 30, 1991

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301020	Traveling wire electro-discharge machines	473	35105	59	4335
301050	Electro-discharge machines, n.e.c., NC	130	11737	12	686
301070	Electro-discharge machines, n.e.c., non-NC	213	2332	18	300
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	1125	93427	128	10850
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	77	12840	4	577
100035	Horizontal machining centers, ATC	337	71663	40	8956
100045	Machining centers, n.e.c.	205	115720	32	8163
200010	Unit construction mach. (single station transfer), NC	27	7130	3	881
200090	Unit construction mach. (single station transfer), non-NC	7	1968	1	291
300010	Multi-station transfer machines, NC	15	22219	6	10641
300090	Multi-station transfer machines, non-NC	36	17130	3	1859
8458110010	Horizontal lathes, multiple spindle, NC	185	31061	23	4174
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	1239	93529	142	10329
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	286	40797	54	7105
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	42	14606	8	1907
190030	Horizontal engine or toolroom lathes, non-NC	2336	21473	199	1727
190050	Automatic bar and/or chucking mach., single spindle, non-NC	256	6574	27	268
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	25	3055	1	170
190090	Horizontal lathes, n.e.c., non-NC	351	14553	12	169
911060	Vertical turret lathes, multiple spindle, NC	12	2775	5	1360
911080	Vertical turret lathes, n.e.c., NC	36	9507	7	2494
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	14	2952	1	66
915070	Vertical lathes, excluding VTL's, n.e.c., NC	17	3187	0	0
991050	Vertical turret lathes, non-NC	78	2163	4	820
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	352	7379	65	1052
8459100000	Way-type unit head machines	5	375	3	303
210080	Other drilling machines, NC	275	20109	35	1673
290040	Drilling machines, multiple spindle, non-NC	18	1463	5	248
290050	Drilling machines, radial, non-NC	160	1722	20	282
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	40	375	0	0
290090	Drilling machines, n.e.c., non-NC	311	7754	26	134
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	12	5575	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	57	10897	2	933
310070	Boring-milling machines, n.e.c., NC	13	3848	0	0
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	4	271	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	67	4126	1	79
400040	Boring machines, vertical, NC	8	1188	0	0
400050	Boring machines, vertical, non-NC	39	747	1	4
400070	Boring machines, n.e.c., NC	12	3848	0	0
400080	Boring machines, n.e.c., non-NC	234	4105	41	786
510080	Milling machines, knee type, NC	250	4988	13	634
590030	Milling machines, knee type, non-NC	1631	13581	250	1792
610080	Milling machines, excluding knee type, n.e.c., NC	330	25666	22	1973
690050	Milling machines, profile, dup., or die sinking, non-NC	24	696	1	64
690070	Milling machines, bed type, non-NC	24	672	0	0
690090	Milling machines, n.e.c., non-NC	247	8206	6	181
700020	Threading or tapping machines, n.e.c., NC	139	8364	29	1626
700080	Threading or tapping machines, n.e.c., non-NC	113	3272	15	363
8460110080	Flat surface grinding machines, NC	92	9500	12	2911
190010	Flat surface grinding mach., recip.-table type, non-NC	267	3781	16	291
190050	Flat surface grinding machines, n.e.c., non-NC	823	10018	99	1036
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	329	54700	34	5442
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	235	9156	26	2980
290030	Grinding machines, internal cylindrical, non-NC	116	4483	4	721
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	531	17710	53	1421
310080	Sharpening machines (tool & cutter grinding), NC	103	4314	3	158
390050	Sharpening machines (tool & cutter grinding), non-NC	387	5641	42	1748
400060	Honing or lapping machines, NC	23	2568	5	866
400080	Honing or lapping machines, non-NC	136	9208	27	2587
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	70	3772	12	157
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	814	21620	53	1277
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	8	46	0	0
200010	Shaping or slotting machines, NC	3	301	0	0
200090	Shaping or slotting machines, non-NC	37	3137	1	5
300060	Broaching machines, NC	5	2814	0	0
300080	Broaching machines, non-NC	11	3826	0	0
401020	Gear cutting for bevel gears	1	518	0	0
401030	Gear hobbers	116	15197	10	1125
401040	Gear shapers	33	3836	3	419
401060	Gear cutting machines, n.e.c.	115	2234	1	2
405050	Gear grinding or finishing for bevel gears	1	49	0	0
405070	Gear grinding or finishing machines, n.e.c.	33	14102	5	2180
500050	Sawing or cutting-off machines, NC	69	9929	3	20
500090	Sawing or cutting-off machines, non-NC	994	22866	124	4929
9000000001	Metal cutting machine tools, n.e.c.	206	9310	28	649
9800000001	Used or rebuilt machine tools	1625	30028	178	2370
9900000001	Machine tools valued at less than $3,025	558864	56485	72490	6827
	Cutting Total			74553	130376
	Y-T-D Cutting Total	577934	1107885		
	NC Y-T-D Cutting Total	6037	744104		

Please see notes on last page
of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - August 91

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	1	177
8457100015	0	0	0	0	0	0	2	135	1	208
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	2	241	1	3513
200010	0	0	0	0	0	0	2	760	0	0
200090	0	0	0	0	0	0	0	0	1	291
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	2	1382
8458110010	0	0	0	0	0	0	0	0	3	791
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	3	309	0	0
110090	0	0	0	0	0	0	0	0	2	497
190030	0	0	58	438	0	0	1	52	0	0
190050	0	0	0	0	0	0	0	0	1	70
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	1	743	0	0
915050	0	0	0	0	0	0	0	0	1	66
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	35	254	0	0	0	0	1	7
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	9	95	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	1	22	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	79
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	3	46	36	555	1	162
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	1	13
610080	0	0	0	0	0	0	0	0	4	485
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	1	8	0	0	1	127
700020	0	0	0	0	0	0	0	0	1	46
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	4	1004
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	1	21	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	9	295
290010	0	0	0	0	6	44	0	0	1	272
290030	0	0	0	0	0	0	0	0	1	158
290050	0	0	0	0	0	0	0	0	28	282
310080	0	0	0	0	0	0	1	2	2	156
390050	0	0	0	0	8	36	0	0	2	45
400060	0	0	0	0	0	0	0	0	3	572
400080	0	0	0	0	3	10	0	0	16	2454
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	4	123	0	0	7	110
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	6	219
401040	0	0	0	0	0	0	0	0	3	419
401060	0	0	0	0	0	0	0	0	1	2
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	2	677
500050	0	0	0	0	1	4	0	0	0	0
500090	0	0	0	0	25	289	6	91	37	3761
9000000001	0	0	0	0	2	7	2	10	16	561
9800000001	0	0	0	0	42	29	0	0	9	151
9900000001	0	0	1	3	262	46	616	230	208	296
Month Tot	0	0	105	832	357	642	672	3128	378	19346
Y-T-D Tot	70	1685	539	6247	2116	12095	2016	15184	5715	268788
NC YTD Tot	4	261	13	1501	29	2585	47	8436	443	183654

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - August 91

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	32	2850	0	0	0	0	0	0
301050	0	0	8	412	0	0	0	0	0	0
301070	0	0	2	44	0	0	0	0	0	0
8457100015	0	0	97	9266	0	0	15	673	0	0
100025	0	0	4	577	0	0	0	0	0	0
100035	0	0	39	8248	0	0	0	0	0	0
100045	5	3196	2	313	0	0	0	0	0	0
200010	0	0	0	0	1	121	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	1	518	5	10122	0	0	0	0	0	0
300090	1	477	0	0	0	0	0	0	0	0
8458110010	0	0	20	3383	0	0	0	0	0	0
110030	0	0	109	8589	4	249	0	0	0	0
110050	0	0	44	6240	6	447	0	0	1	108
110090	1	285	5	1125	0	0	0	0	0	0
190030	0	0	0	0	8	68	18	231	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	1	25	1	7	0	0	0	0	0	0
911060	0	0	5	1360	0	0	0	0	0	0
911080	3	1141	3	611	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	1	677	3	142	0	0	0	0	0	0
995090	0	0	0	0	10	647	0	0	0	0
8459100000	1	187	2	116	0	0	0	0	0	0
210080	0	0	35	1673	0	0	0	0	0	0
290040	0	0	5	248	0	0	0	0	0	0
290050	0	0	5	142	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	25	112
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	1	24	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	2	38	0	0	0	0	137	1096
610080	0	0	4	680	0	0	1	35	0	0
690050	1	64	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	28	1580	0	0	0	0	0	0
700080	2	142	5	22	0	0	0	0	0	0
8460110080	0	0	8	1908	0	0	0	0	0	0
190010	0	0	2	148	0	0	7	65	0	0
190050	0	0	0	0	0	0	0	0	2	316
210080	0	0	23	4702	0	0	0	0	0	0
290010	0	0	7	1983	0	0	0	0	0	0
290030	0	0	1	117	0	0	0	0	0	0
290050	1	39	7	287	0	0	0	0	1	120
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	16	1322	0	0	0	0	0	0
400060	0	0	2	294	0	0	0	0	0	0
400080	0	0	1	49	0	0	0	0	0	0
900060	0	0	10	136	0	0	0	0	0	0
900080	1	35	21	873	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	4	906	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	1	307	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	20	497	0	0	0	0	0	0
9000000001	0	0	1	27	0	0	0	0	0	0
9800000001	1	46	31	861	0	0	0	0	5	27
9900000001	1952	498	4149	697	2215	202	48	8	0	0
Month Tot	1973	7355	4769	72903	2244	1735	89	1012	171	1779
Y-T-D Tot	25168	33676	40814	495616	15718	12891	722	7633	1460	13933
NC YTD Tot	60	15281	3604	421175	105	7278	87	4099	150	1209

Please see notes on last page of the metal forming section.

U.S. IMPORTS – Metal Cutting Machine Tools – August 91

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	4	538	2	15	0	0	21	932
301050	0	0	4	274	0	0	0	0	0	0
301070	0	0	0	0	13	65	0	0	2	13
8457100015	0	0	0	0	3	144	2	135	8	290
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	1	708	0	0
100045	0	0	0	0	0	0	6	465	16	436
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	3	221	9	465	14	734	3	72
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	31	266	3	53	80	619
190050	0	0	0	0	26	198	0	0	0	0
190070	0	0	1	170	0	0	0	0	0	0
190090	0	0	0	0	3	26	5	99	2	12
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	3	19	4	58	12	68
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	6	45
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	2	933	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	1	4
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	2	318	10	203	1	113	0	0
590030	0	0	0	0	69	301	2	140	39	204
610080	0	0	0	0	12	73	1	699	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	1	19	3	27
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	6	163	1	8	0	0	1	29
8460110080	0	0	0	0	0	0	0	0	0	0
190010	1	8	0	0	0	0	0	0	6	70
190050	0	0	0	0	74	546	3	44	19	109
210080	0	0	2	445	0	0	0	0	0	0
290010	0	0	4	576	0	0	0	0	8	104
290030	0	0	2	446	0	0	0	0	0	0
290050	0	0	3	532	4	66	3	31	6	63
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	3	86	0	0	11	106	2	153
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	7	73	0	0
900060	0	0	0	0	0	0	0	0	2	21
900080	1	12	1	8	0	0	4	34	14	83
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	1	5
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	2	1196	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	2	17
500090	0	0	1	29	26	187	8	30	1	46
9000000001	0	0	0	0	0	0	0	0	7	44
9800000001	11	64	9	65	4	72	43	738	23	316
9900000001	0	0	11	20	46394	3625	46	60	16588	1142
Month Tot	13	84	60	6020	46684	6279	165	4339	16873	4923
Y-T-D Tot	1899	13041	881	54053	388273	73441	1958	54406	90585	45196
NC YTD Tot	12	6362	185	25381	575	20396	264	31801	459	14686

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
August 91

RELEASED: October 30, 1991

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	179	22342	16	2106
8462100030	Headers and upsetters, including cold headers	58	12769	5	2203
100050	Forging or die stamping machines, and hammers, n.e.c.	486	28072	82	4793
210080	Bending, folding, straight. or flat. mach., incl presses, NC	344	25532	29	1316
290030	Press brakes, non-NC	149	5271	17	614
290040	Bending rolls, non-NC	47	1249	11	186
290050	Bending, folding, straight., or flat., n.e.c., non-NC	641	20488	74	2270
310080	Shearing machines, NC	10	1510	0	0
390050	Shearing machines, non-NC	227	6791	20	532
410080	Punching or notching mach., incl. comb. punch & shear, NC	142	22277	16	3466
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	309	6711	48	606
910060	Hydraulic presses, NC	9	5251	1	169
910090	Hydraulic presses, non-NC	1116	14027	256	595
990030	Presses, n.e.c., NC	3	1451	0	0
990035	Mechanical transfer presses, non-NC	9	61566	1	3314
990045	Mechanical presses, n.e.c., non-NC	72	14307	13	260
990060	Presses, n.e.c., non-NC	269	15923	36	1755
8463100080	Draw benches for bars, tubes, profiles, wire or the like	109	9039	1	275
200080	Thread rolling machines	48	1577	6	278
300080	Machines for working wire	697	39101	44	3995
900080	Metal forming machine tools, n.e.c.	680	21436	64	2857
9800000002	Used or rebuilt machine tools	2330	19587	110	1852
9900000002	Machine tools valued at less than $3,025	10192	4012	1540	822
	Forming Total			2390	34262
	Y-T-D Forming Total	18126	360287		
	NC Y-T-D Forming Total	508	56020		
	Cutting and Forming Totals:				
	Monthly Total			76943	164638
	Y-T-D Total	596060	1468172		
	NC Y-T-D Total	6545	800124		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
1000000000	Machine tool parts and accessories	0	379829	0	42891
2000000000	Parts for working rubber or plastics - heading 8477	0	221601	0	23389
2710003070	Quenching or cutting oils	0	206	0	50
8428900010	Industrial robots for lifting, handling, loading or unload	1099	23070	74	3704
8431390080	Parts industrial robots, handling and loading - heading 8428	0	61875	0	7795
8456101010	Laser, light or photon beam for working metal, NC	95	22425	12	1939
101020	Laser, light or photon beam for working metal, non-NC	60	7652	8	980
105000	Laser, light or photon beam for other materials	54	6674	11	1073
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	33	120	1	6
205000	Ultrasonic processes for working other materials	36	221	8	61
8477103000	Injection molding mach., for manufacturing shoes	61	1088	55	211
106010	Injection molding mach., for rubber or oth. thermosetting	573	64681	55	7095
106050	Injection molding mach., for thermoplastics	1496	144038	157	12643
200005	Extruders; rubber or other thermosetting mat., single screw	27	4281	0	0
200015	Extruders; rubber or thermosetting, other incl. multi. screw	125	13649	11	508
200035	Extruders; thermoplastics, single screw, less than 6.4cm	60	1955	2	51
200045	Extruders; thermoplastics, single screw, 6.4cm or greater	63	7578	3	972
200055	Extruders; thermoplastics, mutli. screw, less than 6.4cm	41	4317	6	429
200065	Extruders; thermoplastics, multi. screw, 6.4cm or larger	90	11695	2	109
300000	Blow molding machines	155	39801	38	9830
400000	Vacuum-molding and other thermoforming machines	252	14936	21	2696
510010	Machines for molding or retreading pneumatic tires	267	17146	19	962
510090	Machines for molding or otherwise forming inner tubes	50	3087	3	91
590000	Machines for molding or otherwise forming n.e.c.	417	23206	28	1964
800000	Machines for working rubber or plastics n.e.c.	1466	111093	193	13733
8479899040	Industrial robots, n.e.c.	2668	100457	359	10427
908040	Industrial robot parts	0	21925	0	2017
8537100030	Numerical controls for controlling machine tools	5946	21514	490	1914
9024100000	Machines and appliances for testing metals	0	7686	0	1017
9031100000	Machines for balancing mechanical parts	0	5568	0	1207
300000	Profile projectors	0	4071	0	299
9032810020	Industrial process control instr., hydraulic	89827	2227	4824	168
810060	Industrial process control instr., pneumatic	114141	3569	12858	436

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
August 91

Metal Forming

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	3	509	0	0	0	0
8462100030	1	1223	0	0	0	0	0	0	1	217
100050	0	0	0	0	1	5	0	0	50	2404
210080	0	0	0	0	0	0	0	0	1	212
290030	4	268	0	0	9	304	0	0	0	0
290040	0	0	0	0	3	106	0	0	0	0
290050	0	0	0	0	31	491	0	0	2	842
310080	0	0	0	0	0	0	0	0	0	0
390050	3	44	0	0	4	61	0	0	1	159
410080	0	0	0	0	0	0	0	0	7	1809
490050	0	0	0	0	0	0	1	6	21	268
910060	0	0	0	0	1	169	0	0	0	0
910090	0	0	0	0	6	349	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	1	85	0	0	0	0	0	0	0	0
990060	0	0	0	0	15	795	4	22	1	415
8463100080	0	0	0	0	0	0	0	0	1	275
200080	0	0	0	0	0	0	0	0	0	0
300080	3	162	0	0	1	191	0	0	12	859
900080	0	0	0	0	2	12	13	59	6	1254
9800000002	0	0	0	0	37	325	6	3	8	969
9900000002	0	0	0	0	27	33	0	0	0	0
Month Tot	12	1782	0	0	140	3350	24	91	111	9684
Y-T-D Tot	141	7082	26	19741	1535	30651	171	1345	1099	64117
NC YTD Tot	1	561	0	0	24	3268	9	72	76	13700
C&F Month	12	1782	105	832	497	3992	696	3219	489	29030
C&F Y-T-D	211	8766	565	25988	3651	42746	2187	16529	6814	332905
C&F NC YTD	5	822	13	1501	53	5853	56	8509	519	197354

Other Manufacturing Technology

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	114	0	144	0	8011	0	680	0	7308
2000000000	0	75	0	12	0	3496	0	881	0	7386
2710003070	0	0	0	0	0	5	0	0	0	31
8428900010	0	0	0	0	6	120	2	132	1	9
8431390080	0	4	0	10	0	2084	0	30	0	831
8456101010	0	0	0	0	0	0	0	0	9	1127
101020	0	0	0	0	0	0	0	0	7	864
105000	0	0	0	0	0	0	0	0	2	112
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	6	43
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	0	0	0	0	5	685	6	377
106050	0	0	0	0	17	1284	0	0	27	3466
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	2	137	3	127
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	0	0	0	0	0	0	1	197
200055	0	0	0	0	0	0	0	0	2	108
200065	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	3	151	2	2123	2	1151
400000	0	0	0	0	0	0	0	0	4	374
510010	0	0	0	0	5	542	0	0	1	36
510090	0	0	0	0	0	0	0	0	1	3
590000	0	0	0	0	8	138	1	124	5	38
800000	0	0	0	0	10	260	0	0	61	2840
8479899040	0	0	0	0	2	310	0	0	4	99
908040	0	0	0	0	0	106	0	3	0	795
8537100030	0	0	0	0	0	0	0	0	10	4
9024100000	0	0	0	0	0	81	0	399	0	10
9031100000	0	0	0	0	0	7	0	0	0	12
300000	0	0	0	0	0	0	0	0	0	54
9032810020	0	0	0	0	0	0	0	0	78	4
810060	0	0	0	0	8	4	0	0	19	3

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
August 91

Metal Forming

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	2	537	9	1017	0	0	0	0	0	0
8462100030	2	619	1	144	0	0	0	0	0	0
100050	4	94	3	653	0	0	0	0	1	2
210080	0	0	20	911	0	0	0	0	0	0
290030	0	0	2	34	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	1	10	4	58	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	1	15	8	221	0	0	0	0	0	0
410080	0	0	5	837	0	0	0	0	0	0
490050	3	22	0	0	0	0	0	0	18	203
910060	0	0	0	0	0	0	0	0	0	0
910090	3	51	11	83	0	0	0	0	52	40
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	1	3314	0	0	0	0	0	0
990045	0	0	3	146	0	0	0	0	0	0
990060	0	0	9	294	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	1	110	0	0	0	0	5	168
300080	4	61	15	736	0	0	0	0	0	0
900080	2	57	8	635	0	0	0	0	1	30
9800000002	1	3	1	75	0	0	0	0	1	38
9900000002	206	96	242	342	10	3	0	0	162	63
Month Tot	229	1565	343	9611	10	3	0	0	240	544
Y-T-D Tot	1284	23111	3013	152960	24	516	1	300	563	2605
NC YTD Tot	24	1484	308	25916	0	0	0	0	0	0
C&F Month	2202	8920	5112	82514	2254	1739	89	1012	411	2322
C&F Y-T-D	26452	56787	43827	648577	15742	13407	723	7933	2023	16538
C&F NC YTD	84	16764	3912	447091	105	7278	87	4099	150	1209

Other Manufacturing Technology

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	854	0	13825	0	199	0	57	0	434
2000000000	0	1774	0	5752	0	109	0	42	0	23
2710003070	0	0	0	14	0	0	0	0	0	0
8428900010	8	1142	38	1746	0	0	0	0	1	67
8431390080	0	134	0	1654	0	34	0	4	0	4
8456101010	0	0	3	812	0	0	0	0	0	0
101020	0	0	1	116	0	0	0	0	0	0
105000	0	0	1	115	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	1	6	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	55	211	0	0	0	0	0	0	0	0
106010	3	463	31	4712	0	0	0	0	0	0
106050	22	1264	55	4719	2	84	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	1	78	0	0	0	0	0	0
200035	0	0	0	0	0	0	0	0	0	0
200045	1	236	1	539	0	0	0	0	0	0
200055	0	0	4	321	0	0	0	0	0	0
200065	0	0	0	0	0	0	0	0	0	0
300000	1	202	18	6001	2	97	0	0	0	0
400000	5	140	1	2151	0	0	0	0	0	0
510010	10	366	3	17	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	1	5	4	1548	0	0	0	0	0	0
800000	15	876	34	2233	1	24	0	0	8	73
8479899040	1	21	282	9553	1	8	1	9	0	0
908040	0	4	0	887	0	3	0	0	0	0
8537100030	3	42	470	1783	0	0	0	0	0	0
9024100000	0	132	0	171	0	0	0	0	0	0
9031100000	0	0	0	926	0	25	0	2	0	0
300000	0	0	0	33	0	0	0	0	0	0
9032810020	0	0	0	0	0	0	0	0	0	0
810060	627	74	647	144	0	0	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
August 91

Metal Forming	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	2	42	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	1	98	4	1071	4	367	9	83	5	17
210080	1	33	1	91	0	0	6	69	0	0
290030	0	0	0	0	2	8	0	0	0	0
290040	0	0	0	0	5	60	3	20	0	0
290050	1	23	10	194	2	56	4	18	19	579
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	2	16	1	16
410080	0	0	0	0	0	0	0	0	4	820
490050	2	89	0	0	3	18	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	10	18	0	0	0	0	174	53
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	9	28	0	0
990060	1	17	0	0	1	36	1	30	4	145
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	2	36	4	382	3	1566
900080	0	0	24	584	1	6	3	94	4	126
9800000002	1	5	1	64	22	43	10	202	22	125
9900000002	0	0	5	12	586	153	27	45	275	75
Month Tot	7	264	57	2075	628	783	78	988	511	3522
Y-T-D Tot	149	8105	705	14543	5178	4953	1725	12441	2512	17816
NC YTD Tot	11	1805	9	830	3	31	9	1548	34	6804
C&F Month	20	348	117	8095	47312	7063	243	5327	17384	8445
C&F Y-T-D	2048	21146	1586	68596	393451	78394	3683	66847	93097	63012
C&F NC YTD	23	8166	194	26212	578	20427	273	33349	493	21490
Other Manufacturing Technology										
1000000000	0	439	0	3137	0	2216	0	2684	0	2790
2000000000	0	13	0	439	0	407	0	655	0	2325
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	6	277	0	0	0	0	4	33	8	178
8431390080	0	567	0	326	0	117	0	943	0	1051
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	8	846	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	2	18
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	4	687	4	130	1	6	1	36
106050	0	0	4	597	15	349	1	61	14	818
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	1	61	0	0	4	106
200035	0	0	0	0	0	0	2	51	0	0
200045	0	0	0	0	0	0	0	0	0	0
200055	0	0	0	0	0	0	0	0	0	0
200065	0	0	0	0	0	0	1	86	1	23
300000	0	0	0	0	2	40	0	0	8	66
400000	0	0	0	0	1	8	10	23	0	0
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	1	87	1	2
590000	1	2	0	0	3	42	1	56	4	10
800000	4	38	6	768	9	103	26	5890	19	629
8479899040	4	102	0	0	26	94	2	26	36	206
908040	0	52	0	7	0	6	0	72	0	83
8537100030	0	0	3	53	0	0	4	31	0	0
9024100000	0	0	0	32	0	5	0	169	0	19
9031100000	0	0	0	0	0	0	0	30	0	207
300000	0	0	0	6	0	0	0	207	0	0
9032810020	0	0	5	2	0	0	65	3	4676	158
810060	525	114	0	0	5320	20	111	4	5601	73

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
August 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	10	112	4	1368	14	1480
Bulgaria	0	0	0	0	0	0
Czechoslovakia	12	185	0	0	12	185
Denmark	42	246	4	14	46	260
Finland	7	159	5	880	12	1039
Hungary	0	0	1	200	1	200
Ireland	0	0	0	0	0	0
Luxembourg	0	0	0	0	0	0
Netherlands	56	187	27	552	83	739
Norway	0	0	0	0	0	0
Poland	15	246	0	0	15	246
Portugal	0	0	11	146	11	146
Romania	0	0	0	0	0	0
USSR	0	0	0	0	0	0
Yugoslavia	37	232	0	0	37	232
Oth Europe	0	0	1	122	1	122
TOTAL	3611	43418	811	20274	4422	63691
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	194	72	11	17	205	89
Oth N & C Am.	0	0	0	0	0	0
TOTAL	551	714	151	3367	702	4081
SOUTH AMERICA						
Argentina	0	0	170	5	170	5
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	105	832	170	5	275	837
OCEANIA						
Australia	28	271	7	16	35	287
New Zealand	0	0	0	0	0	0
Oth Oceania	0	0	0	0	0	0
TOTAL	28	271	7	16	35	287

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
August 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	16418	1579	266	192	16684	1771
Hong Kong	0	0	4	11	4	11
India	4	42	0	0	4	42
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	14	281	0	0	14	281
Malaysia	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	35	1293	0	0	35	1293
Oth Asia	0	0	0	0	0	0
TOTAL	70257	85124	1251	10599	71508	95723
AFRICA						
Ghana	1	19	0	0	1	19
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	1	19	0	0	1	19

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.

A3171-3

REPORT

NMTBA
The Association For
Manufacturing Technology

Direct Dial: (703) 827-5260

STATISTICAL

No. 118-91 December 4, 1991

U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY – SEPTEMBER 1991

(Values in Millions of U.S. Dollars)

	Sept. 1991	Aug. 1991	Average Jun-Aug.	Year to Date '91	Year to Date '90	% Change YTD '90-'91
METAL CUTTING MACHINE TOOLS						
Exports	$ 43.7	$ 46.3	$ 51.5	$ 453.0	$ 453.9	(0.2%)
Imports	$129.7	$130.4	$131.0	$1,237.6	$1,364.3	(9.3%)
Balance	($ 86.0)	($ 84.1)	($ 79.5)	($ 784.6)	($ 910.4)	(13.8%)
METAL FORMING MACHINE TOOLS						
Exports	$ 34.0	$ 44.5	$ 44.0	$ 357.4	$ 344.2	3.8%
Imports	$ 29.2	$ 34.3	$ 33.6	$ 389.5	$ 377.7	3.1%
Balance	$ 4.8	$ 10.2	$ 10.4	($ 32.1)	($ 33.5)	(4.2%)
MACHINE TOOL TOTAL						
Exports	$ 77.6	$ 90.8	$ 95.6	$ 810.4	$ 798.1	1.5%
Imports	$158.9	$164.6	$164.6	$1,627.1	$1,741.9	(6.6%)
Balance	($ 81.3)	($ 73.8)	($ 69.0)	($ 816.7)	($ 943.8)	(13.5%)
NUMERICALLY CONTROLLED MACHINE TOOLS						
Exports	$ 26.2	$ 14.6	$ 20.5	$ 236.4	$ 259.3	(8.8%)
Imports	$ 94.5	$ 94.0	$ 96.5	$ 894.6	$ 931.3	(3.9%)
Balance	($ 68.3)	($ 79.4)	($ 76.0)	($ 658.2)	($ 672.0)	(2.1%)
OTHER MANUFACTURING TECHNOLOGY						
Exports	$136.5	$124.7	$138.2	$1,245.1	$1,357.3	(8.3%)
Imports	$146.0	$150.7	$161.2	$1,499.3	$1,465.5	2.3%
Balance	($ 9.5)	($ 26.0)	($ 23.0)	($ 254.2)	($ 108.2)	134.9%

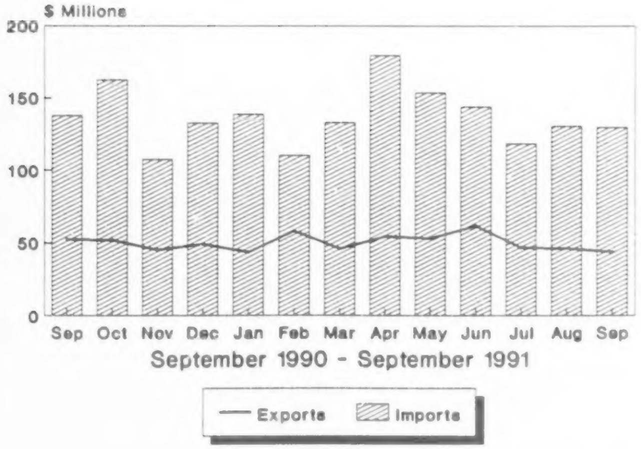
Note: Numerically controlled machine tools is a subgroup of the machine tool total. ( ) denotes negative. NM = not meaningful. Individual items may not add up to totals due to rounding.

- U.S. machine tool exports in 1991 through September totalled $810.4 million, up 2% over last year. If this pace continues, 1991 will set an export record and mark the eighth consecutive year in which exports have risen.

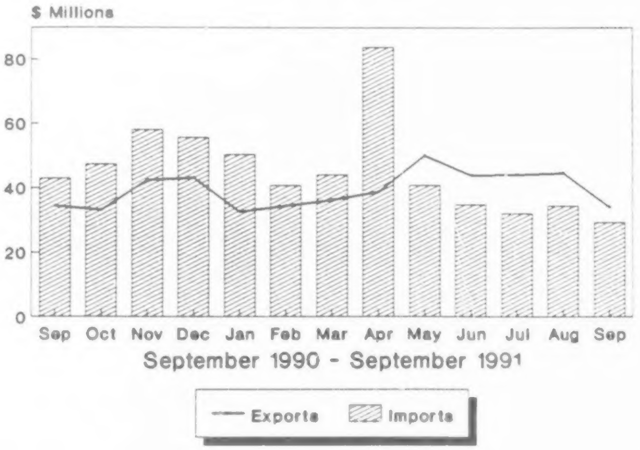
- Machine tool imports so far in 1991 are $1.6 billion, down 7% from last year. Japan is the leading source at $734.9 million (down 9%), followed by Germany ($356.9 million, up 18%) and Taiwan ($85.8 million, down 17%).

- Year-to-date exports of NC machines are down 9% to $236.4 million; year-to-date imports of NC machines are down 4% to $894.6 million.

U.S. MONTHLY TRADE IN MACHINE TOOLS


METAL CUTTING

September 1990 - September 1991


METAL FORMING

September 1990 - September 1991

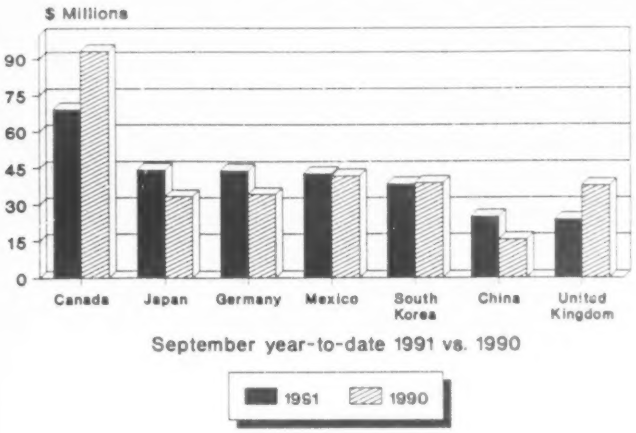
METAL CUTTING MACHINE TOOLS

Exports

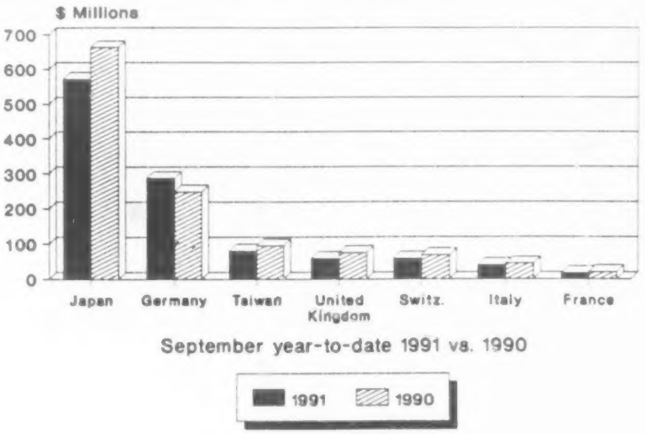
- Metal cutting machine tool exports in September fell to $43.7 million, the lowest monthly total since January of this year. Year-to-date exports are down less than 1% from last year at $453.0 million.

- Canada is the leading year-to-date export market at $69.2 million, including $10.4 million in September. Other top markets include Japan ($44.3 million), Germany ($43.9 million) and Mexico ($42.8 million).

- Used or rebuilt machines account for 13% of total metal cutting exports so far this year, up from 10% last year. Grinding machines account for 18% this year, down from 22% last year; lathes account for 9% in 1991, down from 13% in 1990.


LEADING U.S. EXPORT MARKETS
METAL CUTTING MACHINES

September year-to-date 1991 vs. 1990


LEADING U.S. IMPORT SOURCES
METAL CUTTING MACHINES

September year-to-date 1991 vs. 1990

Imports

- Metal cutting imports in September were $129.7 million, down slightly from August. Year-to-date imports of $1.2 billion are down 9% from last year.

- Japan remains the top import source in 1991 through September at $570.8 million, down 14% from last year, followed by Germany ($288.0 million, up 16%), Taiwan ($80.3 million, down 16%) and the United Kingdom ($58.4 million, down 22%).

- Machining centers account for 26% of total metal cutting imports so far in 1991, up from 23% last year; lathes account for 23% this year, down from 25% in 1990. Grinding machines accounted for 17% of imports last year, but 15% this year.

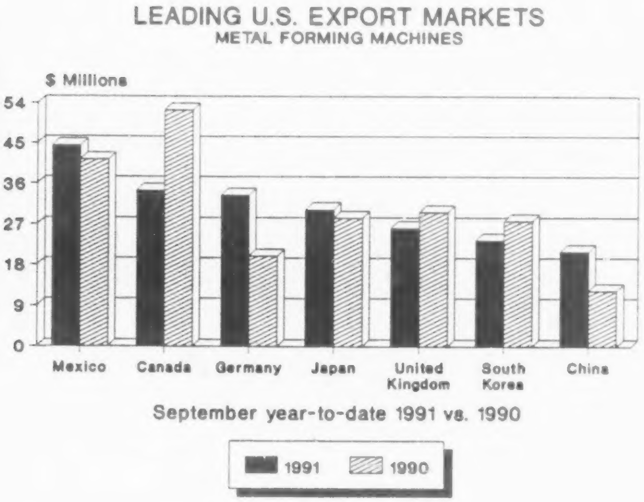
METAL FORMING MACHINE TOOLS

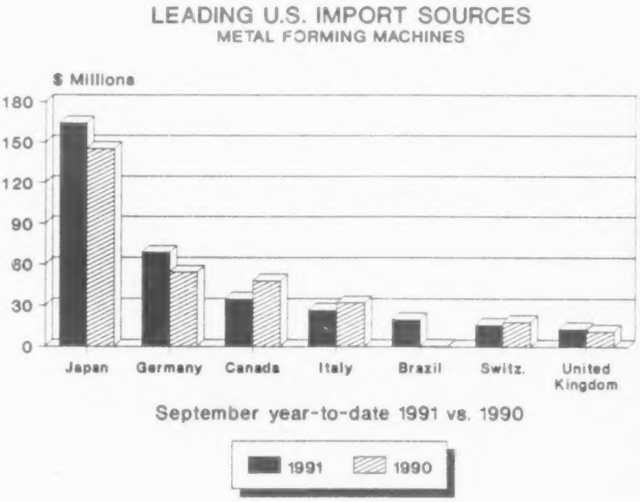
Exports

- Exports of metal forming machines fell 24% in September to $34.0 million, though exports still exceeded imports for the fifth consecutive month. Year-to-date exports are up 4% over last year at $357.4 million.

- Exports of presses this year are $65.7 million, down from $74.2 million last year. Exports of punching and shearing machines are $40.7 million, down from $48.7 million last year.

- Mexico is the top year-to-date metal forming export market at $44.5 million, up 7% from 1990. Other top markets include Canada ($34.4 million, down 34%), Germany ($33.5 million, up 68%) and Japan ($30.3 million, up 7%.)





Imports

- Imports of metal forming machines fell to $29.2 million in September, the lowest total since May 1988. Year-to-date imports are $389.5 million, up 3% from last year.

- Imports of presses in the first nine months of 1991 are $116.7 million, up from $81.7 million last year. Imports of punching and shearing machines are $43.1 million, down from $55.3 million last year.

- Japan is the top import source at $164.1 million, up 13% from last year, followed by Germany ($68.9 million, up 27%) and Canada ($34.7 million, down 28%).

OTHER MANUFACTURING TECHNOLOGY

Exports

- Year-to-date exports of machine tool parts and accessories are $499.6 million in September, down from $536.4 million in 1990. The top markets so far in 1991: Canada ($90.1 million), Germany ($52.8 million), Japan ($45.5 million), and the United Kingdom ($39.0 million).

- Year-to-date exports of numerical controls for controlling machine tools are $17.4 million, down from $23.4 million last year. Exports of injection molding machines are $56.6 million, up from $50.3 million last year.

Imports

- Imports of machine tool parts and accessories in 1991 through September are $422.4 million, up from $416.6 million last year. The major sources in 1991: Japan ($121.9 million), Germany ($94.3 million), Canada ($59.8 million) and the United Kingdom ($32.3 million).

- Year-to-date imports of injection molding machines are $231.0 million, down 3% from last year. Imports of extruders for thermoplastics, rubber or thermosetting materials are $50.1 million, down from $64.4 million last year at this time.

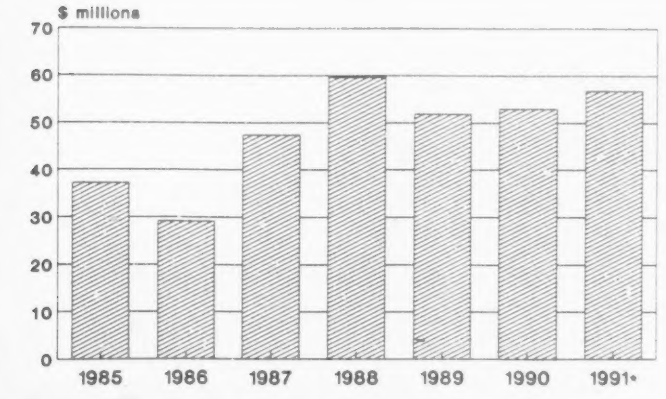
- Imports of industrial robots are $134.3 million, up 65% over last year at this time.

MONTHLY FOCUS

It is well-known that economic reform has engulfed the countries of the former East Bloc. Less well-known, even in the United States, are the economic reform programs underway in South America, which, as in Eastern Europe, often involve privatizations, tariff reductions and a much greater reliance on market forces.

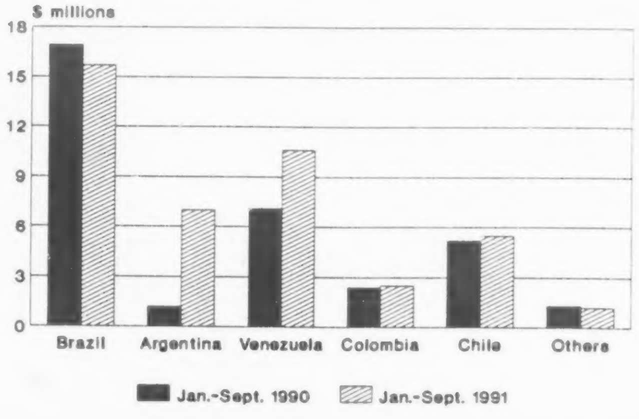
U.S. machine tool exports to the former East Bloc, excluding the USSR, are $3.4 million so far in 1991. Exports to the USSR are an additional $18.0 million. U.S. exports to South America in 1991 through September, though, are much higher -- $42.6 million, up 25% over last year at this time. Brazil is the largest year-to-date market in South America at $15.7 million, followed by Venezuela ($10.6 million), Argentina ($7.0 million) and Chile ($5.5 million).

U.S. Machine Tool Exports
to South America
1985-1991



* January-September annualized

U.S. Machine Tool Exports
to South America



1991 EXPORTS

METAL CUTTING

COUNTRY	SEPTEMBER	AUGUST	% CHANGE	SEPT'91 YTD	SEPT'90 YTD	% CHANGE
Canada	10,433,033	7,309,729	42.7%	69,226,015	93,079,267	-25.6%
Japan	2,600,348	4,063,110	-36.0%	44,251,060	33,258,212	33.1%
Germany	3,252,949	1,676,978	94.0%	43,858,026	34,212,588	28.2%
Mexico	4,873,991	4,275,460	14.0%	42,751,563	41,851,750	2.2%
South Korea	1,926,648	8,144,265	-76.3%	38,476,394	38,944,660	-1.2%
China	6,000,163	2,058,239	191.5%	24,921,473	15,552,797	60.2%
United Kingdom	2,671,788	3,618,118	-26.2%	23,692,702	37,621,853	-37.0%
USSR	0	302,247	-100.0%	17,926,246	6,404,994	179.9%
France	718,637	798,451	-10.0%	12,057,571	7,117,168	69.4%
India	242,559	1,413,907	-82.8%	10,760,547	16,596,556	-35.2%
Italy	1,243,510	971,615	28.0%	10,296,380	13,202,789	-22.0%
Brazil	1,392,671	305,278	356.2%	10,110,801	11,448,300	-11.7%
Taiwan	71,755	1,349,024	-94.7%	9,349,488	9,490,778	-1.5%
Belgium	1,198,389	1,741,556	-31.2%	9,349,290	17,187,015	-45.6%
Venezuela	398,748	923,881	-56.8%	8,541,510	5,699,235	49.9%
Singapore	128,329	1,443,241	-91.1%	6,728,034	7,459,882	-9.8%
Indonesia	90,846	151,679	-40.1%	4,698,416	172,977	2,616.2%
Switzerland	44,762	334,347	-86.6%	4,258,624	4,577,091	-7.0%
Netherlands	307,696	397,599	-22.6%	4,099,899	4,240,016	-3.3%
Australia	161,336	239,628	-32.7%	3,378,280	13,990,972	-75.9%
Malaysia	22,999	407,818	-94.4%	2,915,820	2,273,340	28.3%
Thailand	371,521	38,617	862.1%	2,105,781	1,657,647	27.0%
Spain	26,468	60,904	-56.5%	1,260,590	5,203,492	-75.8%
Austria	70,894	32,320	119.4%	757,502	226,757	234.1%

METAL FORMING

COUNTRY	SEPTEMBER	AUGUST	% CHANGE	SEPT'91 YTD	SEPT'90 YTD	% CHANGE
Mexico	4,193,644	4,869,400	-13.9%	44,491,086	41,401,043	7.5%
Canada	3,998,542	1,847,408	116.4%	34,439,707	52,439,014	-34.3%
Germany	2,829,301	3,347,303	-15.5%	33,503,871	19,984,311	67.7%
Japan	2,358,551	4,221,329	-44.1%	30,279,067	28,403,657	6.6%
United Kingdom	2,032,492	6,750,405	-69.9%	26,214,609	29,693,360	-11.7%
South Korea	4,573,623	2,001,890	128.5%	23,416,255	27,758,848	-15.6%
China	1,711,315	932,168	83.6%	20,950,705	12,314,542	70.1%
France	1,782,264	1,794,256	-0.7%	20,234,531	12,534,098	61.4%
Italy	134,250	3,428,352	-96.1%	9,627,118	7,276,085	32.3%
Australia	338,411	6,137,935	-94.5%	9,169,824	4,713,616	94.5%
Netherlands	533,838	504,943	5.7%	8,771,884	6,771,658	29.5%
Taiwan	1,495,036	878,610	70.2%	7,639,232	11,493,773	-33.5%
Thailand	197,190	826,111	-76.1%	7,376,215	3,689,932	99.9%
Brazil	810,795	755,907	7.3%	5,635,635	5,496,371	2.5%
Singapore	1,188,058	200,557	492.4%	5,608,650	4,837,993	15.9%
Spain	238,888	466,569	-48.8%	4,341,828	5,162,828	-15.9%
Indonesia	288,184	278,806	3.4%	4,023,489	5,636,467	-28.6%
Belgium	806,443	206,906	289.8%	2,897,993	2,538,998	14.1%
Switzerland	705,763	79,894	783.4%	2,220,835	1,888,536	17.6%
Venezuela	444,713	45,616	874.9%	2,018,293	1,418,364	42.3%
Malaysia	50,108	315,996	-84.1%	1,226,228	4,344,033	-71.8%
India	49,826	52,586	-5.2%	922,002	5,892,777	-84.4%
Austria	54,479	0	NA	378,768	2,164,022	-82.5%
USSR	0	0	NA	122,884	694,819	-82.3%

MACHINE TOOL TOTAL

COUNTRY	SEPTEMBER	AUGUST	% CHANGE	SEPT'91 YTD	SEPT'90 YTD	% CHANGE
Canada	14,431,575	9,157,137	57.6%	103,665,722	145,518,281	-28.8%
Mexico	9,067,635	9,144,860	-0.8%	87,242,649	83,252,793	4.8%
Germany	6,082,250	5,024,281	21.1%	77,361,897	54,196,899	42.7%
Japan	4,958,899	8,284,439	-40.1%	74,530,127	61,661,869	20.9%
South Korea	6,500,271	10,146,155	-35.9%	61,892,649	66,703,508	-7.2%
United Kingdom	4,704,280	10,368,523	-54.6%	49,907,311	67,315,213	-25.9%
China	7,711,478	2,990,407	157.9%	45,872,178	27,867,339	64.6%
France	2,500,901	2,592,707	-3.5%	32,292,102	19,651,266	64.3%
Italy	1,377,760	4,399,967	-68.7%	19,923,498	20,478,874	-2.7%
USSR	0	302,247	-100.0%	18,049,130	7,099,813	154.2%
Taiwan	1,566,791	2,227,634	-29.7%	16,988,720	20,984,551	-19.0%
Brazil	2,203,466	1,061,185	107.6%	15,746,436	16,944,671	-7.1%
Netherlands	841,534	902,542	-6.8%	12,871,783	11,011,674	16.9%
Australia	499,747	6,377,563	-92.2%	12,548,104	18,704,588	-32.9%
Singapore	1,316,387	1,643,798	-19.9%	12,336,684	12,297,875	0.3%
Belgium	2,004,832	1,948,462	2.9%	12,247,283	19,726,013	-37.9%
India	292,385	1,466,493	-80.1%	11,682,549	22,489,333	-48.1%
Venezuela	843,461	969,497	-13.0%	10,559,803	7,117,599	48.4%
Thailand	568,711	864,728	-34.2%	9,481,996	5,347,579	77.3%
Indonesia	379,030	430,485	-12.0%	8,721,905	5,809,444	50.1%
Switzerland	750,525	414,241	81.2%	6,479,459	6,465,627	0.2%
Spain	265,356	527,473	-49.7%	5,602,418	10,366,320	-46.0%
Malaysia	73,107	723,814	-89.9%	4,142,048	6,617,373	-37.4%
Austria	125,373	32,320	287.9%	1,136,270	2,390,779	-52.5%

1991 IMPORTS

METAL CUTTING

COUNTRY	SEPTEMBER	AUGUST	% CHANGE	SEPT'91 YTD	SEPT'90 YTD	% CHANGE
Japan	$75,182,939	$72,903,362	3.1%	$570,799,398	$662,223,182	-13.8%
Germany	19,191,544	19,345,911	-0.8%	287,979,898	248,892,189	15.7%
Taiwan	6,870,022	6,279,361	9.4%	80,310,874	95,487,750	-15.9%
United Kingdom	3,990,795	4,339,499	-8.0%	58,397,148	74,950,250	-22.1%
Switzerland	4,212,049	6,019,912	-30.0%	58,264,852	68,638,975	-15.1%
Italy	6,836,990	7,354,873	-7.0%	40,512,864	44,123,559	-8.2%
France	886,945	3,127,751	-71.6%	16,071,140	20,416,106	-21.3%
Spain	232,454	1,778,576	-86.9%	14,165,297	20,694,510	-31.6%
South Korea	1,259,690	1,735,234	-27.4%	14,150,644	14,800,942	-4.4%
Canada	1,615,730	641,759	151.8%	13,710,744	16,528,039	-17.0%
Sweden	552,318	83,831	558.8%	13,593,024	12,164,462	11.7%
Singapore	1,462,951	1,011,615	44.6%	9,095,720	14,837,621	-38.7%
Brazil	781,543	831,574	-6.0%	7,028,924	10,082,334	-30.3%
Belgium	0	0	NA	1,684,557	1,625,914	3.6%

METAL FORMING

COUNTRY	SEPTEMBER	AUGUST	% CHANGE	SEPT'91 YTD	SEPT'90 YTD	% CHANGE
Japan	$11,095,843	$9,610,513	15.5%	$164,056,081	$145,319,640	12.9%
Germany	4,785,020	9,684,056	-50.6%	68,902,153	54,286,831	26.9%
Canada	4,091,674	3,350,481	22.1%	34,743,002	48,034,743	-27.7%
Italy	3,476,401	1,564,964	122.1%	26,587,578	31,940,783	-16.8%
Brazil	19,000	0	NA	19,759,871	202,406	9,662.5%
Switzerland	1,367,644	2,075,389	-34.1%	15,911,031	18,152,010	-12.3%
United Kingdom	417,608	987,774	-57.7%	12,858,436	11,165,630	15.2%
Sweden	414,939	264,477	56.9%	8,520,236	23,391,335	-63.6%
Belgium	536,475	1,781,756	-69.9%	7,618,206	17,872,135	-57.4%
Taiwan	500,619	783,175	-36.1%	5,453,507	7,835,595	-30.4%
Spain	41,676	543,643	-92.3%	2,646,721	3,270,910	-19.1%
France	757,313	90,797	734.1%	2,102,499	3,107,090	-32.3%
South Korea	6,840	3,420	100.0%	522,495	515,738	1.3%
Singapore	0	0	NA	300,254	132,580	126.5%

MACHINE TOOL TOTAL

COUNTRY	SEPTEMBER	AUGUST	% CHANGE	SEPT'91 YTD	SEPT'90 YTD	% CHANGE
Japan	$86,278,782	$82,513,875	4.6%	$734,855,479	$807,542,822	-9.0%
Germany	23,976,564	29,029,967	-17.4%	356,882,051	303,179,020	17.7%
Taiwan	7,370,641	7,062,536	4.4%	85,764,381	103,323,345	-17.0%
Switzerland	5,579,693	8,095,301	-31.1%	74,175,883	86,790,985	-14.5%
United Kingdom	4,408,403	5,327,273	-17.2%	71,255,584	86,115,880	-17.3%
Italy	10,313,391	8,919,837	15.6%	67,100,442	76,064,342	-11.8%
Canada	5,707,404	3,992,240	43.0%	48,453,746	64,562,782	-25.0%
Brazil	800,543	831,574	-3.7%	26,788,795	10,284,740	160.5%
Sweden	967,257	348,308	177.7%	22,113,260	35,555,797	-37.8%
France	1,644,258	3,218,548	-48.9%	18,173,639	23,523,196	-22.7%
Spain	274,130	2,322,219	-88.2%	16,812,018	23,965,420	-29.8%
South Korea	1,266,530	1,738,654	-27.2%	14,673,139	15,316,680	-4.2%
Singapore	1,462,951	1,011,615	44.6%	9,395,974	14,970,201	-37.2%
Belgium	536,475	1,781,756	-69.9%	9,302,763	19,498,049	-52.3%

1991 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1991		FEBRUARY 1991		MARCH 1991		APRIL 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	5,350	$13,231,937	5,314	$9,384,660	5,918	$12,359,757	5,272	$15,333,596
Boring machines	8	572,189	8	2,689,884	7	490,980	10	781,577
Drilling machines	104	2,125,292	72	2,302,444	98	2,731,002	94	1,177,353
Gear cutting machines	14	7,378,919	23	3,441,470	16	3,898,627	22	6,720,535
Grinding machines	244	5,937,543	272	10,254,977	275	8,387,839	313	11,543,197
NC horizontal lathes	15	2,388,500	33	3,043,968	29	3,419,112	38	4,707,962
NC vertical lathes	1	161,310	2	341,835	6	371,174	1	89,700
Non-NC lathes	37	817,093	46	1,273,108	34	912,266	64	1,399,820
Milling machines	21	1,285,651	27	1,256,940	56	1,629,636	35	6,730,275
Machining centers	18	2,251,834	27	4,699,366	21	6,179,301	33	5,723,799
Station type machines	7	6,763,963	10	16,280,662	3	3,750,445	0	0
Other metal cutting machines	223	7,078,662	278	7,046,503	322	7,317,458	266	6,517,985
Punching & shearing machines	108	4,513,331	79	5,456,279	85	4,584,562	157	4,594,728
Bending & forming machines	116	4,251,882	102	6,952,107	119	7,232,573	120	4,830,552
Presses	293	7,418,063	96	5,734,227	128	4,847,879	168	7,262,958
Forging machines	11	2,746,151	19	5,146,204	21	4,124,370	11	868,133
Other metal forming machines	231	7,030,224	185	7,182,512	193	9,543,993	308	14,549,088
MACHINE TOOL TOTAL	6,801	75,952,544	6,593	92,487,146	7,331	81,780,974	6,912	92,831,258

PRODUCT TYPES	MAY 1991		JUNE 1991		JULY 1991		AUGUST 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	5,847	$14,473,978	6,716	$15,068,308	5,909	$16,595,564	7,211	$21,518,830
Boring machines	9	811,684	29	2,458,144	53	1,485,134	21	1,762,000
Drilling machines	81	1,767,423	182	2,096,676	182	2,218,922	78	1,759,560
Gear cutting machines	39	6,598,232	42	10,858,258	11	4,027,477	7	2,476,528
Grinding machines	285	9,241,644	390	12,599,243	398	11,576,263	308	6,788,528
NC horizontal lathes	19	1,914,295	25	2,373,736	26	2,567,207	23	2,111,735
NC vertical lathes	9	592,211	2	108,000	4	269,504	1	22,000
Non-NC lathes	45	1,357,057	49	2,263,152	27	407,865	35	1,881,608
Milling machines	57	5,134,958	73	6,889,800	57	3,124,857	48	2,636,055
Machining centers	37	5,715,931	24	2,660,799	26	3,139,607	12	948,374
Station type machines	4	3,143,769	6	2,649,559	5	4,718,427	2	80,000
Other metal cutting machines	341	8,257,118	273	9,131,128	198	4,100,231	281	9,631,000
Punching & shearing machines	111	5,445,644	129	3,810,698	132	3,568,471	115	4,809,018
Bending & forming machines	108	5,331,914	257	9,068,216	169	6,262,244	176	6,665,618
Presses	96	6,098,800	210	6,552,960	199	11,252,200	126	7,336,120
Forging machines	40	4,435,634	40	5,388,723	57	8,447,700	38	9,086,436
Other metal forming machines	223	22,718,552	234	11,390,564	225	6,748,375	194	11,311,721
MACHINE TOOL TOTAL	7,351	103,038,844	8,681	105,367,964	7,678	90,510,048	8,676	90,825,131

1991 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	SEPTEMBER 1991 Units	SEPTEMBER 1991 Value	SEPT. 1991 YTD Units	SEPT. 1991 YTD Value	SEPTEMBER 1990 Units	SEPTEMBER 1990 Value	SEPT. 1990 YTD Units	SEPT. 1990 YTD Value
Used & rebuilt & under $3,025	4,681	$13,799,781	52,218	$131,766,411	5,218	$13,541,688	45,301	$122,593,523
Boring machines	3	82,808	148	11,134,400	13	892,848	130	14,370,322
Drilling machines	72	1,649,843	963	17,828,515	72	2,247,262	811	14,910,443
Gear cutting machines	49	6,635,184	223	52,035,230	16	8,205,773	175	43,900,659
Grinding machines	233	5,137,364	2,718	81,466,598	412	8,753,533	2,890	98,104,939
NC horizontal lathes	22	2,547,345	230	25,073,860	29	3,059,742	329	35,262,360
NC vertical lathes	1	31,150	27	1,986,884	5	2,322,630	53	10,143,448
Non-NC lathes	49	1,621,326	386	11,933,295	51	1,033,985	570	12,943,818
Milling machines	16	363,774	390	29,051,946	38	5,262,002	334	29,841,729
Machining centers	37	9,299,241	235	40,618,252	13	2,443,148	290	44,603,969
Station type machines	15	1,103,920	52	38,490,745	5	5,650,047	56	26,716,946
Other metal cutting machines	215	6,841,529	2,397	65,921,614	288	5,325,005	2,908	57,722,578
Punching & shearing machines	117	3,929,919	1,033	40,712,650	56	3,258,296	1,112	48,739,774
Bending & forming machines	122	4,852,226	1,289	55,447,332	165	8,316,381	1,404	52,564,457
Presses	169	9,193,318	1,485	65,696,525	126	5,543,751	1,698	74,192,075
Forging machines	52	3,892,191	289	44,135,542	12	2,088,733	287	36,972,225
Other metal forming machines	171	6,665,077	1,964	97,140,106	168	8,580,087	2,339	74,512,010
MACHINE TOOL TOTAL	6,024	77,645,996	66,047	810,439,905	6,687	86,524,911	60,687	798,095,275

PRODUCT TYPES	% CHANGE AUG'91-SEPT'91 Units	% CHANGE AUG'91-SEPT'91 Value	% CHANGE SEPT'90-SEPT'91 Units	% CHANGE SEPT'90-SEPT'91 Value	% CHANGE YTD'90-YTD'91 Units	% CHANGE YTD'90-YTD'91 Value
Used & rebuilt & under $3,025	-35.1%	-35.9%	-10.3%	1.9%	15.3%	7.5%
Boring machines	-85.7%	-95.3%	-76.9%	-90.7%	13.8%	-22.5%
Drilling machines	-7.7%	-6.2%	0.0%	-26.6%	18.7%	19.6%
Gear cutting machines	600.0%	167.9%	206.3%	-19.1%	27.4%	18.5%
Grinding machines	-24.4%	-24.3%	-43.4%	-41.3%	-6.0%	-17.0%
NC horizontal lathes	-4.3%	20.6%	-24.1%	-16.7%	-30.1%	-28.9%
NC vertical lathes	0.0%	41.6%	-80.0%	-98.7%	-49.1%	-80.4%
Non-NC lathes	40.0%	-13.8%	-3.9%	56.8%	-32.3%	-7.8%
Milling machines	-66.7%	-86.2%	-57.9%	-93.1%	16.8%	-2.6%
Machining centers	208.3%	880.5%	184.6%	280.6%	-19.0%	-8.9%
Station type machines	650.0%	1,279.9%	200.0%	-80.5%	-7.1%	44.1%
Other metal cutting machines	-23.5%	-29.0%	-25.3%	28.5%	-17.6%	14.2%
Punching & shearing machines	1.7%	-18.3%	108.9%	20.6%	-7.1%	-16.5%
Bending & forming machines	-30.7%	-27.2%	-26.1%	-41.7%	-8.2%	5.5%
Presses	34.1%	25.3%	34.1%	65.8%	-12.5%	-11.5%
Forging machines	36.8%	-57.2%	333.3%	86.3%	0.7%	19.4%
Other metal forming machines	-11.9%	-41.1%	1.8%	-22.3%	-16.0%	30.4%
MACHINE TOOL TOTAL	-30.6%	-14.5%	-9.9%	-10.3%	8.8%	1.5%

1991 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1991		FEBRUARY 1991		MARCH 1991		APRIL 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	71,667	$13,094,991	94,612	$15,968,463	63,827	$14,630,134	91,842	$16,332,717
Boring machines	75	3,212,626	65	3,295,233	55	6,672,018	47	5,623,400
Drilling machines	136	5,284,960	72	2,124,951	105	5,761,640	107	2,964,231
Gear cutting machines	34	7,247,022	30	2,608,872	12	3,256,264	23	6,619,154
Grinding machines	662	23,141,603	464	17,045,322	540	20,820,588	509	26,824,722
NC horizontal lathes	158	17,509,455	251	25,854,656	244	28,306,454	280	25,531,297
NC vertical lathes	9	1,367,349	15	2,253,656	9	2,973,011	15	3,573,928
Non-NC lathes	722	8,815,703	340	4,755,176	312	7,055,881	317	4,534,633
Milling machines	449	12,771,541	257	2,795,380	250	4,970,541	330	9,449,803
Machining centers	293	33,595,255	212	22,089,069	167	23,849,656	189	59,165,452
Station type machines	14	4,189,738	4	1,830,253	5	1,401,630	19	4,376,300
Other metal cutting machines	448	11,368,644	217	12,635,073	254	16,773,980	329	18,589,257
Punching & shearing machines	67	5,697,766	59	1,638,364	89	5,334,266	100	4,429,933
Bending & forming machines	189	6,557,096	183	8,695,550	147	8,228,937	122	3,949,688
Presses	72	16,236,188	317	9,033,944	163	8,995,976	85	51,444,817
Forging machines	59	5,028,586	47	2,528,010	51	5,954,214	44	6,285,995
Other metal forming machines	286	13,786,011	230	15,783,509	277	12,006,374	243	13,702,533
MACHINE TOOL TOTAL	75,340	188,904,534	97,375	150,935,481	66,507	176,991,564	94,601	263,397,860

PRODUCT TYPES	MAY 1991		JUNE 1991		JULY 1991		AUGUST 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	61,461	$13,487,177	60,137	$11,892,444	55,148	$13,352,862	74,318	$11,870,677
Boring machines	53	7,001,111	55	3,314,472	51	3,685,439	45	1,801,332
Drilling machines	79	6,287,879	146	3,825,684	73	2,839,334	86	2,335,487
Gear cutting machines	91	4,865,147	57	3,552,435	32	3,543,870	19	3,725,410
Grinding machines	515	14,511,571	382	13,752,180	468	18,779,695	386	21,596,437
NC horizontal lathes	197	20,692,781	196	20,231,721	199	18,351,920	227	23,514,958
NC vertical lathes	2	1,159,139	6	908,254	10	2,266,809	13	3,920,266
Non-NC lathes	442	10,258,079	402	8,630,438	555	6,940,660	308	4,206,757
Milling machines	226	5,441,990	328	6,999,359	374	6,736,063	292	4,643,995
Machining centers	199	40,498,256	231	62,377,569	249	23,528,172	204	28,546,978
Station type machines	16	13,375,688	8	1,595,456	8	8,078,447	16	13,974,758
Other metal cutting machines	252	18,837,312	314	9,426,321	298	12,496,402	289	12,912,572
Punching & shearing machines	109	4,442,498	74	5,337,144	106	5,805,391	84	4,603,173
Bending & forming machines	124	7,388,462	129	5,919,854	156	7,413,619	131	4,386,000
Presses	301	9,718,955	131	5,872,448	102	5,129,418	307	6,092,772
Forging machines	152	6,220,779	69	5,986,386	35	1,841,002	87	6,995,815
Other metal forming machines	172	10,036,703	180	9,024,713	194	9,644,967	131	9,510,828
MACHINE TOOL TOTAL	64,391	194,223,527	62,845	178,646,878	58,058	150,434,070	76,943	164,638,215

1991 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	SEPTEMBER 1991		SEPT. 1991 YTD		SEPTEMBER 1990		SEPT. 1990 YTD	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	68,503	$12,925,407	641,515	$123,554,872	78,484	$11,149,478	686,157	$113,502,989
Boring machines	64	4,555,634	510	39,161,265	52	3,494,230	461	31,399,966
Drilling machines	61	2,902,483	865	34,326,649	49	2,266,373	1,111	34,565,502
Gear cutting machines	11	1,036,962	309	36,455,136	69	4,625,890	409	37,226,404
Grinding machines	413	25,438,841	4,339	181,910,959	616	25,521,740	6,542	226,741,798
NC horizontal lathes	141	15,597,511	1,893	195,590,753	194	20,111,149	2,465	239,587,411
NC vertical lathes	11	3,650,775	90	22,073,187	4	689,943	141	19,582,703
Non-NC lathes	299	5,939,533	3,697	61,136,860	500	7,286,875	6,110	88,364,341
Milling machines	196	2,605,184	2,702	56,413,856	363	7,383,527	4,155	65,479,331
Machining centers	261	32,637,026	2,005	326,287,433	147	27,592,987	2,383	316,384,692
Station type machines	12	12,689,422	102	61,511,692	14	14,932,439	138	67,042,977
Other metal cutting machines	257	11,639,564	2,658	124,679,125	233	14,697,321	3,724	143,597,527
Punching & shearing machines	75	5,842,087	763	43,130,622	103	4,806,367	1,318	55,272,524
Bending & forming machines	121	6,484,435	1,302	59,023,641	161	5,831,579	1,727	69,321,030
Presses	601	4,173,370	2,079	116,697,888	416	10,399,978	3,028	81,698,564
Forging machines	19	5,358,263	563	46,199,050	144	8,927,234	783	50,125,743
Other metal forming machines	123	5,429,895	1,836	98,925,533	204	10,822,213	2,061	102,049,008
MACHINE TOOL TOTAL	71,168	158,906,392	667,228	1,627,078,521	81,753	180,539,323	722,713	1,741,942,510

PRODUCT TYPES	% CHANGE AUG'91-SEPT'91		% CHANGE SEPT'90-SEPT'91		% CHANGE YTD'90-YTD'91	
	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	-7.8%	8.9%	-12.7%	15.9%	-6.5%	8.9%
Boring machines	42.2%	152.9%	23.1%	30.4%	10.6%	24.7%
Drilling machines	-29.1%	24.3%	24.5%	28.1%	-22.1%	-0.7%
Gear cutting machines	-42.1%	-72.2%	-84.1%	-77.6%	-24.4%	-2.1%
Grinding machines	7.0%	17.8%	-33.0%	-0.3%	-33.7%	-19.8%
NC horizontal lathes	-37.9%	-33.7%	-27.3%	-22.4%	-23.2%	-18.4%
NC vertical lathes	-15.4%	-6.9%	175.0%	429.1%	-36.2%	12.7%
Non-NC lathes	-2.9%	41.2%	-40.2%	-18.5%	-39.5%	-30.8%
Milling machines	-32.9%	-43.9%	-46.0%	-64.7%	-35.0%	-13.8%
Machining centers	27.9%	14.3%	77.6%	18.3%	-15.9%	3.1%
Station type machines	-25.0%	-9.2%	-14.3%	-15.0%	-26.1%	-8.3%
Other metal cutting machines	-11.1%	-9.9%	10.3%	-20.8%	-28.6%	-13.2%
Punching & shearing machines	-10.7%	26.9%	-27.2%	21.5%	-42.1%	-22.0%
Bending & forming machines	-7.6%	47.8%	-24.8%	11.2%	-24.6%	-14.9%
Presses	95.8%	-31.5%	44.5%	-59.9%	-31.3%	42.8%
Forging machines	-78.2%	-23.4%	-86.8%	-40.0%	-28.1%	-7.8%
Other metal forming machines	-6.1%	-42.9%	-39.7%	-49.8%	-10.9%	-3.1%
MACHINE TOOL TOTAL	-7.5%	-3.5%	-12.9%	-12.0%	-7.7%	-6.6%

-3

REPORT

AMT
The Association For
Manufacturing Technology
Founded 1902 as National Machine Tool Builders' Association
Direct Dial: (703) 827-5260

STATISTICAL

No. 01-92 January 8, 1992

U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY – OCTOBER 1991

(Values in Millions of U.S. Dollars)

	Oct. 1991	Sept. 1991	Average Jul-Sept.	Year to Date '91	Year to Date '90	% Change YTD '90-'91
METAL CUTTING MACHINE TOOLS						
Exports	$ 47.5	$ 43.7	$ 45.5	$ 500.5	$ 505.9	(1.1%)
Imports	$137.4	$129.7	$126.2	$1,375.0	$1,526.6	(9.9%)
Balance	($ 89.9)	($ 86.0)	($ 80.7)	($ 874.5)	($1,020.7)	(14.3%)
METAL FORMING MACHINE TOOLS						
Exports	$ 38.7	$ 34.0	$ 40.8	$ 396.1	$ 377.2	5.0%
Imports	$ 34.8	$ 29.2	$ 31.8	$ 424.2	$ 424.9	(0.2%)
Balance	$ 3.9	$ 4.8	$ 9.0	($ 28.1)	($ 47.7)	(41.1%)
MACHINE TOOL TOTAL						
Exports	$ 86.1	$ 77.6	$ 86.3	$ 896.6	$ 883.0	1.5%
Imports	$172.1	$158.9	$158.0	$1,799.2	$1,951.4	(7.8%)
Balance	($ 86.0)	($ 81.3)	($ 71.7)	($ 902.6)	($1,068.4)	(15.5%)
NUMERICALLY CONTROLLED MACHINE TOOLS						
Exports	$ 18.4	$ 26.2	$ 20.3	$ 254.8	$ 286.6	(11.1%)
Imports	$102.1	$ 94.5	$ 89.8	$ 996.7	$1,041.6	(4.3%)
Balance	($ 83.7)	($ 68.3)	($ 69.5)	($ 741.9)	($ 755.0)	(1.7%)
OTHER MANUFACTURING TECHNOLOGY						
Exports	$159.7	$136.5	$137.1	$1,404.8	$1,517.7	(7.4%)
Imports	$154.5	$146.0	$158.1	$1,653.7	$1,630.7	1.4%
Balance	$ 5.2	($ 9.5)	($ 21.0)	($ 248.9)	($ 113.0)	120.3%

Note: Numerically controlled machine tools is a subgroup of the machine tool total. ( ) denotes negative. Individual items may not add up to totals due to rounding.

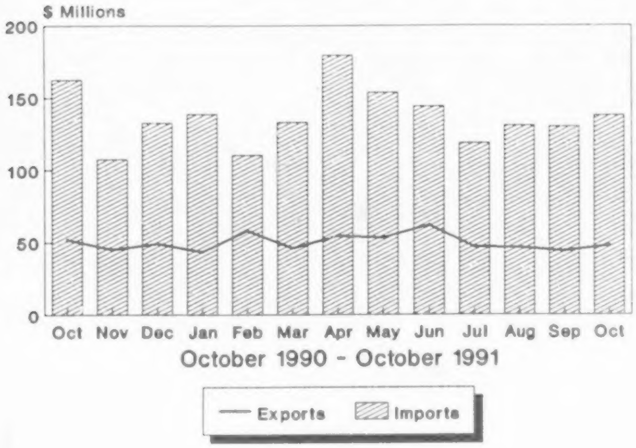
- U.S. machine tool exports in October totalled $86.1 million, up 11% over September. Year-to-date exports of machine tools -- $896.6 million -- are up 2% over last year; exports of NC machines are down 11% to $254.8 million.

- Machine tool imports so far in 1991 are $1.8 billion, down 8% from last year. Imports of NC machines are down 4% from last year to $1.0 billion.

- The top export markets in 1991 through October are Canada at $113.4 million, followed by Mexico ($97.7 million), Germany ($87.2 million) and Japan ($83.9 million). The top import sources are Japan ($829.9 million), Germany ($380.0 million), Taiwan ($97.1 million) and Switzerland ($82.7 million).

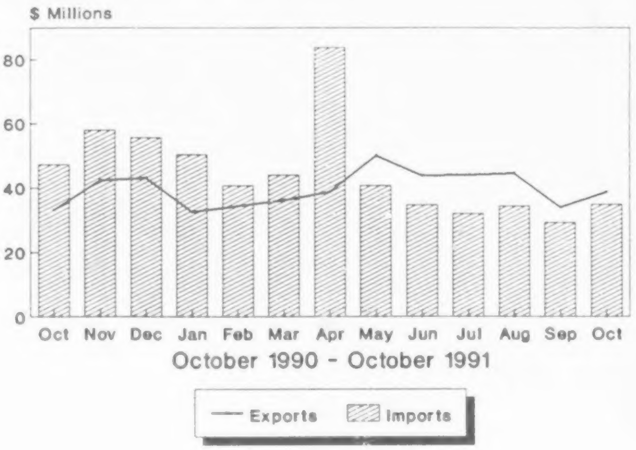
U.S. MONTHLY TRADE IN MACHINE TOOLS

METAL CUTTING



October 1990 - October 1991

METAL FORMING



October 1990 - October 1991

METAL CUTTING MACHINE TOOLS

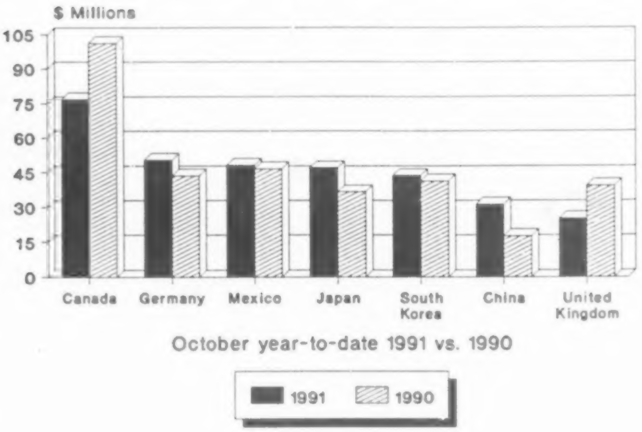
Exports

- Metal cutting machine tool exports in October rose to $47.5 million from $43.7 million in September. Year-to-date exports of $500.5 million are down 1% from last year.

- Canada was the top export market in October at $7.4 million and is the top year-to-date market at $76.6 million, down 24% from last year. Year-to-date exports to Indonesia are $4.7 million, up from $0.3 million last year at this time.

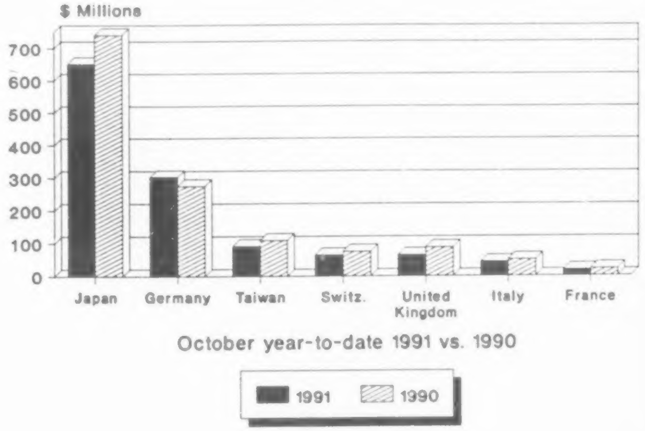
- In 1991 through October exports of gear cutting machines are up 23% in unit terms and 18% in value terms compared to last year; exports of grinding machines are down 8% and 18%, respectively. Exports of milling machines are up 28% in units, but down 1% in value.

LEADING U.S. EXPORT MARKETS
METAL CUTTING MACHINES



October year-to-date 1991 vs. 1990

LEADING U.S. IMPORT SOURCES
METAL CUTTING MACHINES



October year-to-date 1991 vs. 1990

Imports

- Year-to-date metal cutting imports are $1.4 billion, down 10% from 1990. Imports in October 1991 were $137.4 million, up from $129.7 million in September.

- So far in 1991, imports of NC horizontal lathes (2,062 machines, $214.6 million) are down 24% in unit terms and down 19% by value. Imports of NC vertical lathes (100 machines, $26.1 million) are down 34% in unit terms but up 15% in value terms. Imports of non-NC lathes (4,124 machines, $67.5 million) are down 41% and down 32% in units and value, respectively.

- Imports from Japan so far in 1991 are down 12% to $651.9 million; imports from Germany are up 10% to $303.2 million. Among the major metal cutting machine tool suppliers to the United States, only Germany and Sweden have higher sales this year than last.

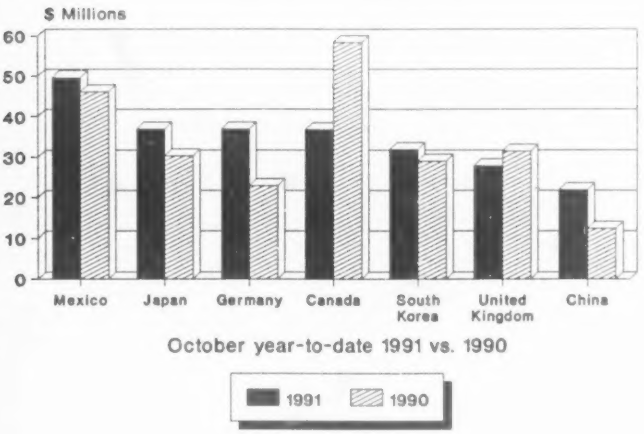
METAL FORMING MACHINE TOOLS

Exports

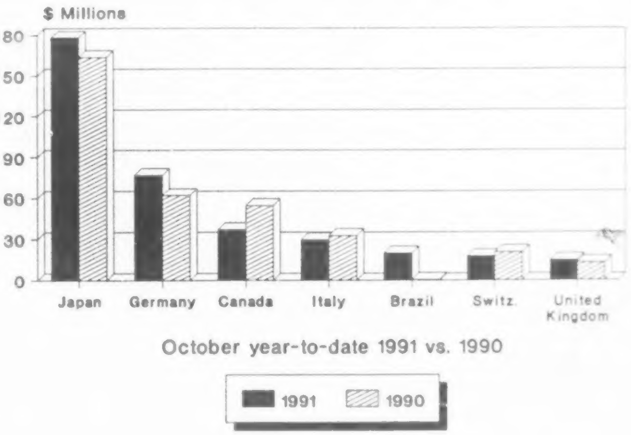
- Exports of metal forming machines rebounded in October to $38.7 million, up 14% from September. Year-to-date exports of $396.1 million are up 5% over last year.

- South Korea was the top metal forming export market in October at $8.5 million, followed by Japan ($6.6 million) and Mexico ($5.1 million). Mexico ($49.6 million, up 8%), Japan ($36.9 million, up 22%) and Germany ($36.9 million, up 61%) are the year-to-date export leaders so far in 1991.

LEADING U.S. EXPORT MARKETS
METAL FORMING MACHINES



LEADING U.S. IMPORT SOURCES
METAL FORMING MACHINES



Imports

- Imports of metal forming machines rose 19% in October to $34.8 million. However, October was the sixth consecutive month that U.S. exports of metal forming machine tools exceeded imports. Year-to-date imports are $424.2 million, down fractionally from last year.

- Japan was the top import source in October at $13.9 million. Year-to-date imports from Japan are $178.0 million, up 9% over last year. So far in 1991, imports from Japan, Germany, Brazil and the United Kingdom are up versus last year; imports from all other major suppliers are down.

OTHER MANUFACTURING TECHNOLOGY

Exports

- Exports of industrial robots in October were $10.7 million, for a year-to-date total of $65.9 million. The comparable figure for 1990: $53.4 million.

- Exports of machines using laser, light, photon beam or ultrasonic processes for working any material are $32.6 million in 1991 through October. The comparable figure for 1990: $42.3 million.

Imports

- Year-to-date imports of machines using laser, light, ultrasonic, or photon beam processes are $46.6 million. The comparable figure in 1990: $39.9 million.

- Year-to-date imports of blow molding machines are $45.7 million, up from $40.9 million last year. Imports of machines for balancing mechanical parts are $7.9 million so far in 1991, down from $10.8 million last year at this time.

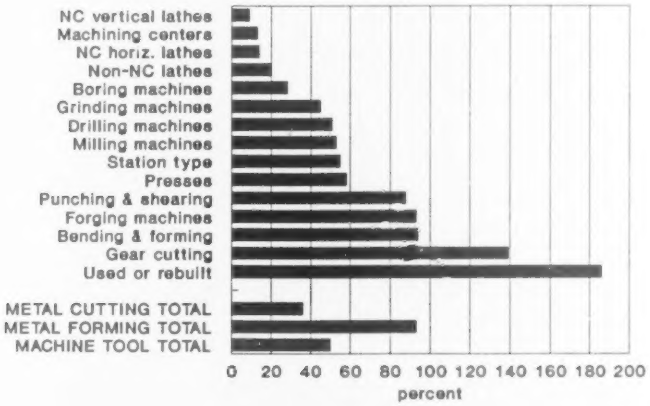
MONTHLY FOCUS

The U.S. trade deficit in machine tools in 1991 through October is $902.6 million, of which 97% ($874.5 million) is metal cutting machines and just 3% ($28.1 million) is metal forming machines.

Despite the large overall deficit, some machine categories enjoy a trade surplus. For example, exports of gear cutting machines so far this year ($56.7 million) exceed imports ($40.9 million), as do exports of used or rebuilt machines ($115.4 million vs. $62.0 million). However, for most machine categories, imports exceed exports, sometimes by a wide margin. The largest deficit is in machining centers: exports of $45.5 million and imports of $354.0 million produce a deficit of $308.5 million, roughly one-third the total. The deficit for NC horizontal lathes is another $185.5 million.

The chart below shows exports as a percentage of imports for various machine types. The lowest value is for NC vertical lathes: U.S. exports in that category are just 9% of imports. Values over 100% indicate a trade surplus.

US Machine Tool Exports as % of Imports
Select Machine Categories
January-October 1991



1991 EXPORTS

METAL CUTTING

COUNTRY	OCTOBER	SEPTEMBER	% CHANGE	OCT'91 YTD	OCT'90 YTD	% CHANGE
Canada	$7,374,646	$10,433,033	-29.3%	$76,600,661	$101,088,818	-24.2%
Germany	6,500,267	3,252,949	99.8%	50,358,293	43,572,695	15.6%
Mexico	5,308,815	4,873,991	8.9%	48,060,378	46,626,365	3.1%
Japan	2,755,083	2,600,348	6.0%	47,006,143	36,667,705	28.2%
South Korea	5,261,686	1,926,648	173.1%	43,738,080	41,415,583	5.6%
China	6,268,292	6,000,163	4.5%	31,189,765	17,660,681	76.6%
United Kingdom	1,581,106	2,671,788	-40.8%	25,273,808	39,258,538	-35.6%
USSR	0	0	NA	17,926,246	7,861,503	128.0%
France	4,334,081	718,637	503.1%	16,391,652	8,099,748	102.4%
India	579,498	242,559	138.9%	11,340,045	19,218,512	-41.0%
Brazil	285,530	1,392,671	-79.5%	10,396,331	13,880,566	-25.1%
Italy	87,599	1,243,510	-93.0%	10,383,979	15,362,054	-32.4%
Taiwan	452,973	71,755	531.3%	9,802,461	10,129,359	-3.2%
Belgium	424,219	1,198,389	-64.6%	9,773,509	17,859,291	-45.3%
Venezuela	819,495	398,748	105.5%	9,361,005	6,462,321	44.9%
Singapore	628,420	128,329	389.7%	7,356,454	7,663,635	-4.0%
Indonesia	46,635	90,846	-48.7%	4,745,051	305,409	1,453.7%
Switzerland	232,342	44,762	419.1%	4,490,966	4,766,425	-5.8%
Netherlands	145,883	307,696	-52.6%	4,245,782	5,700,502	-25.5%
Australia	608,723	161,336	277.3%	3,987,003	14,199,046	-71.9%
Malaysia	16,247	22,999	-29.4%	2,932,067	2,277,314	28.8%
Thailand	68,394	371,521	-81.6%	2,174,175	2,047,758	6.2%
Spain	874,765	26,468	3,205.0%	2,135,355	5,561,028	-61.6%
Austria	26,000	70,894	-63.3%	783,502	244,613	220.3%

METAL FORMING

COUNTRY	OCTOBER	SEPTEMBER	% CHANGE	OCT'91 YTD	OCT'90 YTD	% CHANGE
Mexico	$5,149,768	$4,193,644	22.8%	$49,640,854	$46,075,046	7.7%
Japan	6,626,124	2,358,551	180.9%	36,905,191	30,226,669	22.1%
Germany	3,382,871	2,829,301	19.6%	36,886,742	22,885,712	61.2%
Canada	2,337,110	3,998,542	-41.6%	36,776,817	58,432,886	-37.1%
South Korea	8,460,070	4,573,623	85.0%	31,876,325	29,007,336	9.9%
United Kingdom	1,585,330	2,032,492	-22.0%	27,799,939	31,406,046	-11.5%
China	978,364	1,711,315	-42.8%	21,929,069	12,433,466	76.4%
France	1,279,474	1,782,264	-28.2%	21,514,005	16,432,765	30.9%
Italy	233,938	134,250	74.3%	9,861,056	7,859,668	25.5%
Australia	315,232	338,411	-6.8%	9,485,056	6,031,618	57.3%
Netherlands	87,454	533,838	-83.6%	8,859,338	7,422,900	19.4%
Taiwan	741,886	1,495,036	-50.4%	8,381,118	13,664,036	-38.7%
Thailand	951,456	197,190	382.5%	8,327,671	4,122,453	102.0%
Brazil	2,213,598	810,795	173.0%	7,849,233	5,971,475	31.4%
Singapore	286,364	1,188,058	-75.9%	5,895,014	5,323,021	10.7%
Indonesia	959,845	288,184	233.1%	4,983,334	6,572,707	-24.2%
Spain	394,045	238,888	64.9%	4,735,873	5,495,561	-13.8%
Belgium	137,393	806,443	-83.0%	3,035,386	2,576,928	17.8%
Switzerland	286,447	705,763	-59.4%	2,507,282	2,048,537	22.4%
Venezuela	200,929	444,713	-54.8%	2,219,222	1,551,657	43.0%
Malaysia	179,583	50,108	258.4%	1,405,811	4,380,532	-67.9%
India	79,796	49,826	60.1%	1,001,798	6,057,465	-83.5%
Austria	49,800	54,479	-8.6%	428,568	2,309,218	-81.4%
USSR	0	0	NA	122,884	732,665	-83.2%

MACHINE TOOL TOTAL

COUNTRY	OCTOBER	SEPTEMBER	% CHANGE	OCT'91 YTD	OCT'90 YTD	% CHANGE
Canada	$ 9,711,756	$14,431,575	-32.7%	$113,377,478	$159,521,704	-28.9%
Mexico	10,458,583	9,067,635	15.3%	97,701,232	92,701,411	5.4%
Germany	9,883,138	6,082,250	62.5%	87,245,035	66,458,407	31.3%
Japan	9,381,207	4,958,899	89.2%	83,911,334	66,894,374	25.4%
South Korea	13,721,756	6,500,271	111.1%	75,614,405	70,422,919	7.4%
China	7,246,656	7,711,478	-6.0%	53,118,834	30,094,147	76.5%
United Kingdom	3,166,436	4,704,280	-32.7%	53,073,747	70,664,584	-24.9%
France	5,613,555	2,500,901	124.5%	37,905,657	24,532,513	54.5%
Italy	321,537	1,377,760	-76.7%	20,245,035	23,221,722	-12.8%
Brazil	2,499,128	2,203,466	13.4%	18,245,564	19,852,041	-8.1%
Taiwan	1,194,859	1,566,791	-23.7%	18,183,579	23,793,395	-23.6%
USSR	0	0	NA	18,049,130	8,594,168	110.0%
Australia	923,955	499,747	84.9%	13,472,059	20,230,664	-33.4%
Singapore	914,784	1,316,387	-30.5%	13,251,468	12,986,656	2.0%
Netherlands	233,337	841,534	-72.3%	13,105,120	13,123,402	-0.1%
Belgium	561,612	2,004,832	-72.0%	12,808,895	20,436,219	-37.3%
India	659,294	292,385	125.5%	12,341,843	25,275,977	-51.2%
Venezuela	1,020,424	843,461	21.0%	11,580,227	8,013,978	44.5%
Thailand	1,019,850	568,711	79.3%	10,501,846	6,170,211	70.2%
Indonesia	1,006,480	379,030	165.5%	9,728,385	6,878,116	41.4%
Switzerland	518,789	750,525	-30.9%	6,998,248	6,814,962	2.7%
Spain	1,268,810	265,356	378.2%	6,871,228	11,056,589	-37.9%
Malaysia	195,830	73,107	167.9%	4,337,878	6,657,846	-34.8%
Austria	75,800	125,373	-39.5%	1,212,070	2,553,831	-52.5%

1991 IMPORTS

METAL CUTTING

COUNTRY	OCTOBER	SEPTEMBER	% CHANGE	OCT'91 YTD	OCT'90 YTD	% CHANGE
Japan	$81,114,311	$75,182,939	7.9%	$651,913,709	$741,148,285	-12.0%
Germany	15,171,967	19,191,544	-20.9%	303,151,865	275,377,364	10.1%
Taiwan	10,674,787	6,870,022	55.4%	90,985,661	108,942,915	-16.5%
Switzerland	6,734,375	4,212,049	59.9%	64,999,227	75,328,515	-13.7%
United Kingdom	6,476,164	3,990,795	62.3%	64,873,312	88,197,338	-26.4%
Italy	2,012,195	6,836,990	-70.6%	42,525,059	49,596,329	-14.3%
France	1,779,377	886,945	100.6%	17,850,517	21,534,053	-17.1%
South Korea	1,850,690	1,259,690	46.9%	16,001,334	16,015,775	-0.1%
Sweden	1,194,577	552,318	116.3%	14,787,601	14,230,935	3.9%
Spain	535,317	232,454	130.3%	14,700,614	22,142,865	-33.6%
Canada	895,315	1,615,730	-44.6%	14,606,059	18,737,822	-22.1%
Singapore	1,664,363	1,462,951	13.8%	10,760,083	16,303,496	-34.0%
Brazil	458,322	781,543	-41.4%	7,487,246	11,936,937	-37.3%
Belgium	144,477	0	NA	1,829,034	1,658,675	10.3%

METAL FORMING

COUNTRY	OCTOBER	SEPTEMBER	% CHANGE	OCT'91 YTD	OCT'90 YTD	% CHANGE
Japan	$13,926,257	$11,095,843	25.5%	$177,982,338	$163,648,436	8.8%
Germany	7,965,094	4,785,020	66.5%	76,867,247	62,031,709	23.9%
Canada	2,224,303	4,091,674	-45.6%	36,967,305	54,502,252	-32.2%
Italy	2,888,087	3,476,401	-16.9%	29,475,665	32,604,530	-9.6%
Brazil	0	19,000	-100.0%	19,759,871	202,406	9,662.5%
Switzerland	1,813,596	1,367,644	32.6%	17,724,627	20,760,975	-14.6%
United Kingdom	1,611,265	417,608	285.8%	14,469,701	12,711,659	13.8%
Sweden	758,496	414,939	82.8%	9,278,732	29,562,800	-68.6%
Belgium	383,788	536,475	-28.5%	8,001,994	19,515,967	-59.0%
Taiwan	685,434	500,619	36.9%	6,138,941	8,168,472	-24.8%
Spain	220,353	41,676	428.7%	2,867,074	3,529,150	-18.8%
France	304,847	757,313	-59.7%	2,407,346	3,239,064	-25.7%
South Korea	13,980	6,840	104.4%	536,475	515,738	4.0%
Singapore	117,501	0	NA	417,755	132,580	215.1%

MACHINE TOOL TOTAL

COUNTRY	OCTOBER	SEPTEMBER	% CHANGE	OCT'91 YTD	OCT'90 YTD	% CHANGE
Japan	$95,040,568	$86,278,782	10.2%	$829,896,047	$904,796,721	-8.3%
Germany	23,137,061	23,976,564	-3.5%	380,019,112	337,409,073	12.6%
Taiwan	11,360,221	7,370,641	54.1%	97,124,602	117,111,387	-17.1%
Switzerland	8,547,971	5,579,693	53.2%	82,723,854	96,089,490	-13.9%
United Kingdom	8,087,429	4,408,403	83.5%	79,343,013	100,908,997	-21.4%
Italy	4,900,282	10,313,391	-52.5%	72,000,724	82,200,859	-12.4%
Canada	3,119,618	5,707,404	-45.3%	51,573,364	73,240,074	-29.6%
Brazil	458,322	800,543	-42.7%	27,247,117	12,139,343	124.5%
Sweden	1,953,073	967,257	101.9%	24,066,333	43,793,735	-45.0%
France	2,084,224	1,644,258	26.8%	20,257,863	24,773,117	-18.2%
Spain	755,670	274,130	175.7%	17,567,688	25,672,015	-31.6%
South Korea	1,864,670	1,266,530	47.2%	16,537,809	16,531,513	0.0%
Singapore	1,781,864	1,462,951	21.8%	11,177,838	16,436,076	-32.0%
Belgium	528,265	536,475	-1.5%	9,831,028	21,174,642	-53.6%

1991 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1991		FEBRUARY 1991		MARCH 1991		APRIL 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	5,350	$13,231,937	5,314	$9,384,660	5,918	$12,359,757	5,272	$15,333,596
Boring machines	8	572,189	8	2,689,884	7	490,980	10	781,577
Drilling machines	104	2,125,292	72	2,302,444	98	2,731,002	94	1,177,353
Gear cutting machines	14	7,378,919	23	3,441,470	16	3,898,627	22	6,720,535
Grinding machines	244	5,937,543	272	10,254,977	275	8,387,839	313	11,543,197
NC horizontal lathes	15	2,388,500	33	3,043,968	29	3,419,112	38	4,707,962
NC vertical lathes	1	161,310	2	341,835	6	371,174	1	89,700
Non-NC lathes	37	817,093	46	1,273,108	34	912,266	64	1,399,820
Milling machines	21	1,285,651	27	1,256,940	56	1,629,636	35	6,730,275
Machining centers	18	2,251,834	27	4,699,366	21	6,179,301	33	5,723,799
Station type machines	7	6,763,963	10	16,280,662	3	3,750,445	0	0
Other metal cutting machines	223	7,078,662	278	7,046,503	322	7,317,458	266	6,517,985
Punching & shearing machines	108	4,513,331	79	5,456,279	85	4,584,562	157	4,594,728
Bending & forming machines	116	4,251,882	102	6,952,107	119	7,232,573	120	4,830,552
Presses	293	7,418,063	96	5,734,227	128	4,847,879	168	7,262,958
Forging machines	11	2,746,151	19	5,146,204	21	4,124,370	11	868,133
Other metal forming machines	231	7,030,224	185	7,182,512	193	9,543,993	308	14,549,088
MACHINE TOOL TOTAL	6,801	75,952,544	6,593	92,487,146	7,331	81,780,974	6,912	92,831,258

PRODUCT TYPES	MAY 1991		JUNE 1991		JULY 1991		AUGUST 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	5,847	$14,473,978	6,716	$15,068,308	5,909	$16,595,564	7,211	$21,518,830
Boring machines	9	811,684	29	2,458,144	53	1,485,134	21	1,762,000
Drilling machines	81	1,767,423	182	2,096,676	182	2,218,922	78	1,759,560
Gear cutting machines	39	6,598,232	42	10,858,258	11	4,027,477	7	2,476,528
Grinding machines	285	9,241,644	390	12,599,243	398	11,576,263	308	6,788,528
NC horizontal lathes	19	1,914,295	25	2,373,736	26	2,567,207	23	2,111,735
NC vertical lathes	9	592,211	2	108,000	4	269,504	1	22,000
Non-NC lathes	45	1,357,057	49	2,263,152	27	407,865	35	1,881,608
Milling machines	57	5,134,958	73	6,889,800	57	3,124,857	48	2,636,055
Machining centers	37	5,715,931	24	2,660,799	26	3,139,607	12	948,374
Station type machines	4	3,143,769	6	2,649,559	5	4,718,427	2	80,000
Other metal cutting machines	341	8,257,118	273	9,131,128	198	4,100,231	281	9,631,000
Punching & shearing machines	111	5,445,644	129	3,810,698	132	3,568,471	115	4,809,018
Bending & forming machines	108	5,331,914	257	9,068,216	169	6,262,244	176	6,665,618
Presses	96	6,098,800	210	6,552,960	199	11,252,200	126	7,336,120
Forging machines	40	4,435,634	40	5,388,723	57	8,447,700	38	9,086,436
Other metal forming machines	223	22,718,552	234	11,390,564	225	6,748,375	194	11,311,721
MACHINE TOOL TOTAL	7,351	103,038,844	8,681	105,367,964	7,678	90,510,048	8,676	90,825,131

1991 U.S. EXPORTS
BY PRODUCT GROUPS

PRODUCT TYPES	SEPTEMBER 1991 Units	SEPTEMBER 1991 Value	OCTOBER 1991 Units	OCTOBER 1991 Value	OCTOBER 1991 YTD Units	OCTOBER 1991 YTD Value	OCTOBER 1990 Units	OCTOBER 1990 Value
Used & rebuilt & under $3,025	4,681	$13,799,781	4,312	$14,136,772	56,530	$145,903,183	6,399	$11,915,072
Boring machines	3	82,808	8	1,566,411	156	12,700,811	12	613,537
Drilling machines	72	1,649,843	98	1,189,185	1,061	19,017,700	60	937,232
Gear cutting machines	49	6,635,184	32	4,683,694	255	56,718,924	33	4,217,786
Grinding machines	233	5,137,364	252	8,200,926	2,970	89,667,524	346	10,933,219
NC horizontal lathes	22	2,547,345	36	4,088,207	266	29,162,067	25	2,408,221
NC vertical lathes	1	31,150	2	267,983	29	2,254,867	9	1,621,356
Non-NC lathes	49	1,621,326	52	1,694,551	438	13,627,846	61	1,218,831
Milling machines	16	363,774	103	2,701,167	493	31,753,113	51	2,190,381
Machining centers	37	9,299,241	20	4,843,346	255	45,461,598	52	4,679,669
Station type machines	15	1,103,920	33	6,066,181	85	44,556,926	8	8,910,384
Other metal cutting machines	215	6,841,529	233	6,192,397	2,630	72,114,011	490	7,249,997
Punching & shearing machines	117	3,929,919	120	2,900,772	1,153	43,613,422	111	4,695,896
Bending & forming machines	122	4,852,226	116	4,024,662	1,405	59,471,994	139	6,554,180
Presses	169	9,193,318	119	7,690,788	1,604	73,387,313	89	4,543,803
Forging machines	52	3,892,191	39	4,376,386	328	48,511,928	30	3,804,635
Other metal forming machines	171	6,665,077	315	11,517,430	2,279	108,657,536	241	8,430,558
MACHINE TOOL TOTAL	6,024	77,645,996	5,890	86,140,858	71,937	896,580,763	8,156	84,924,757

PRODUCT TYPES	OCTOBER 1990 YTD Units	OCTOBER 1990 YTD Value	% CHANGE SEPT'91–OCT'91 Units	% CHANGE SEPT'91–OCT'91 Value	% CHANGE OCT'90–OCT'91 Units	% CHANGE OCT'90–OCT'91 Value	% CHANGE YTD'90–YTD'91 Units	% CHANGE YTD'90–YTD'91 Value
Used & rebuilt & under $3,025	51,700	$134,508,595	-7.9%	2.4%	-32.6%	18.6%	9.3%	8.5%
Boring machines	142	14,983,859	166.7%	1,791.6%	-33.3%	155.3%	9.9%	-15.2%
Drilling machines	871	15,847,675	36.1%	-27.9%	63.3%	26.9%	21.8%	20.0%
Gear cutting machines	208	48,118,445	-34.7%	-29.4%	-3.0%	11.0%	22.6%	17.9%
Grinding machines	3,236	109,038,158	8.2%	59.6%	-27.2%	-25.0%	-8.2%	-17.8%
NC horizontal lathes	354	37,670,581	63.6%	60.5%	44.0%	[illegible].8%	-24.9%	-22.6%
NC vertical lathes	62	11,764,804	100.0%	760.3%	-77.8%	-83.5%	-53.2%	-80.8%
Non-NC lathes	631	14,162,649	6.1%	4.5%	-14.8%	39.0%	-30.6%	-3.8%
Milling machines	385	32,032,110	543.8%	642.5%	102.0%	23.3%	28.1%	-0.9%
Machining centers	342	49,283,638	-45.9%	-47.9%	-61.5%	3.5%	-25.4%	-7.8%
Station type machines	64	35,627,330	120.0%	449.5%	312.5%	-31.9%	32.8%	25.1%
Other metal cutting machines	3,398	64,972,575	8.4%	-9.5%	-52.4%	-14.6%	-22.6%	11.0%
Punching & shearing machines	1,223	53,435,670	2.6%	-26.2%	8.1%	-38.2%	-5.7%	-18.4%
Bending & forming machines	1,543	59,118,637	-4.9%	-17.1%	-16.5%	-38.6%	-8.9%	0.6%
Presses	1,787	78,735,878	-29.6%	-16.3%	33.7%	69.3%	-10.2%	-6.8%
Forging machines	317	40,776,860	-25.0%	12.4%	30.0%	15.0%	3.5%	19.0%
Other metal forming machines	2,580	82,942,568	84.2%	72.8%	30.7%	36.6%	-11.7%	31.0%
MACHINE TOOL TOTAL	68,843	883,020,032	-2.2%	10.9%	-27.8%	1.4%	4.5%	1.5%

1991 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1991		FEBRUARY 1991		MARCH 1991		APRIL 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	71,667	$13,094,991	94,612	$15,968,463	63,827	$14,630,134	91,842	$16,332,717
Boring machines	75	3,212,626	65	3,295,233	55	6,672,018	47	5,623,400
Drilling machines	136	5,284,960	72	2,124,951	105	5,761,640	107	2,964,231
Gear cutting machines	34	7,247,022	30	2,608,872	12	3,256,264	23	6,619,154
Grinding machines	662	23,141,603	464	17,045,322	540	20,820,588	509	26,824,722
NC horizontal lathes	158	17,509,455	251	25,854,656	244	28,306,454	280	25,531,297
NC vertical lathes	9	1,367,349	15	2,253,656	9	2,973,011	15	3,573,928
Non-NC lathes	722	8,815,703	340	4,755,176	312	7,055,881	317	4,534,633
Milling machines	449	12,771,541	257	2,795,380	250	4,970,541	330	9,449,803
Machining centers	293	33,595,255	212	22,089,069	167	23,849,656	189	59,165,452
Station type machines	14	4,189,738	4	1,830,253	5	1,401,630	19	4,376,300
Other metal cutting machines	448	11,368,644	217	12,635,073	254	16,773,980	329	18,589,257
Punching & shearing machines	67	5,697,766	59	1,638,364	89	5,334,266	100	4,429,933
Bending & forming machines	189	6,557,096	183	8,695,550	147	8,228,937	122	3,949,688
Presses	72	16,236,188	317	9,033,944	163	8,995,976	85	51,444,817
Forging machines	59	5,028,586	47	2,528,010	51	5,954,214	44	6,285,995
Other metal forming machines	286	13,786,011	230	15,783,509	277	12,006,374	243	13,702,533
MACHINE TOOL TOTAL	75,340	188,904,534	97,375	150,935,481	66,507	176,991,564	94,601	263,397,860

PRODUCT TYPES	MAY 1991		JUNE 1991		JULY 1991		AUGUST 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	61,461	$13,487,177	60,137	$11,892,444	55,148	$13,352,862	74,318	$11,870,677
Boring machines	53	7,001,111	55	3,314,472	51	3,685,439	45	1,801,332
Drilling machines	79	6,287,879	146	3,825,684	73	2,839,334	86	2,335,487
Gear cutting machines	91	4,865,147	57	3,552,435	32	3,543,870	19	3,725,410
Grinding machines	515	14,511,571	382	13,752,180	468	18,779,695	386	21,596,437
NC horizontal lathes	197	20,692,781	196	20,231,721	199	18,351,920	227	23,514,958
NC vertical lathes	2	1,159,139	6	908,254	10	2,266,809	13	3,920,266
Non-NC lathes	442	10,258,079	402	8,630,438	555	6,940,660	308	4,206,757
Milling machines	226	5,441,990	328	6,999,359	374	6,736,063	292	4,643,995
Machining centers	199	40,498,256	231	62,377,569	249	23,528,172	204	28,546,978
Station type machines	16	13,375,688	8	1,595,456	8	8,078,447	16	13,974,758
Other metal cutting machines	252	18,837,312	314	9,426,321	298	12,496,402	289	12,912,572
Punching & shearing machines	109	4,442,498	74	5,337,144	106	5,805,391	84	4,603,173
Bending & forming machines	124	7,388,462	129	5,919,854	156	7,413,619	131	4,386,000
Presses	301	9,718,955	131	5,872,448	102	5,129,418	307	6,092,772
Forging machines	152	6,220,779	69	5,986,386	35	1,841,002	87	6,995,815
Other metal forming machines	172	10,036,703	180	9,024,713	194	9,644,967	131	9,510,828
MACHINE TOOL TOTAL	64,391	194,223,527	62,845	178,646,878	58,058	150,434,070	76,943	164,638,215

1991 U.S. IMPORTS
BY PRODUCT GROUPS

PRODUCT TYPES	SEPTEMBER 1991		OCTOBER 1991		OCTOBER 1991 YTD		OCTOBER 1990	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	68,503	$12,925,407	94,403	$14,087,197	735,918	$137,642,069	123,375	$18,144,453
Boring machines	64	4,555,634	66	6,256,498	576	45,417,763	67	6,367,793
Drilling machines	61	2,902,483	55	2,816,039	920	37,142,688	133	5,115,447
Gear cutting machines	11	1,036,962	28	4,458,812	337	40,913,948	24	9,163,879
Grinding machines	413	25,438,841	432	18,082,688	4,771	199,993,647	728	22,115,629
NC horizontal lathes	141	15,597,511	169	19,056,907	2,062	214,647,660	236	24,077,544
NC vertical lathes	11	3,650,775	10	4,071,036	100	26,144,223	10	3,183,656
Non-NC lathes	299	5,939,533	427	6,345,190	4,124	67,482,050	883	10,701,325
Milling machines	196	2,605,184	283	3,472,283	2,985	59,886,139	368	6,724,436
Machining centers	261	32,637,026	253	27,719,237	2,258	354,006,670	256	30,295,646
Station type machines	12	12,689,422	19	19,071,415	121	80,583,107	13	10,334,968
Other metal cutting machines	257	11,639,564	258	13,628,425	2,916	138,307,550	301	20,848,312
Punching & shearing machines	75	5,842,087	85	6,594,446	848	49,725,068	96	7,464,655
Bending & forming machines	121	6,484,435	116	4,516,959	1,418	63,540,600	140	9,706,668
Presses	601	4,173,370	307	9,947,795	2,386	126,645,683	225	5,254,258
Forging machines	19	5,358,263	62	6,036,144	625	52,235,194	57	3,756,734
Other metal forming machines	123	5,429,895	157	5,966,043	1,993	104,891,576	259	16,246,525
MACHINE TOOL TOTAL	71,168	158,906,392	97,130	172,127,114	764,358	1,799,205,635	127,171	209,501,928

PRODUCT TYPES	OCTOBER 1990 YTD		% CHANGE SEPT'91–OCT'91		% CHANGE OCT'90–OCT'91		% CHANGE YTD'90–YTD'91	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	809,532	$131,647,442	37.8%	9.0%	-23.5%	-22.4%	-9.1%	4.6%
Boring machines	528	37,767,759	3.1%	37.3%	-1.5%	-1.7%	9.1%	20.3%
Drilling machines	1,244	39,680,949	-9.8%	-3.0%	-58.6%	-45.0%	-26.0%	-6.4%
Gear cutting machines	433	46,390,283	154.5%	330.0%	16.7%	-51.3%	-22.2%	-11.8%
Grinding machines	7,270	248,857,427	4.6%	-28.9%	-40.7%	-18.2%	-34.4%	-19.6%
NC horizontal lathes	2,701	263,664,955	19.9%	22.2%	-28.4%	-20.9%	-23.7%	-18.6%
NC vertical lathes	151	22,766,359	-9.1%	11.5%	0.0%	27.9%	-33.8%	14.8%
Non-NC lathes	6,993	99,065,666	42.8%	6.8%	-51.6%	-40.7%	-41.0%	-31.9%
Milling machines	4,523	72,203,767	44.4%	33.3%	-23.1%	-48.4%	-34.0%	-17.1%
Machining centers	2,639	346,680,338	-3.1%	-15.1%	-1.2%	-8.5%	-14.4%	2.1%
Station type machines	151	77,377,945	58.3%	50.3%	46.2%	84.5%	-19.9%	4.1%
Other metal cutting machines	4,025	164,445,839	0.4%	17.1%	-14.3%	-34.6%	-27.6%	-15.9%
Punching & shearing machines	1,414	62,737,179	13.3%	12.9%	-11.5%	-11.7%	-40.0%	-20.7%
Bending & forming machines	1,867	79,027,698	-4.1%	-30.3%	-17.1%	-53.5%	-24.0%	-19.6%
Presses	3,253	86,952,822	-48.9%	138.4%	36.4%	89.3%	-26.7%	45.6%
Forging machines	840	53,882,477	226.3%	12.7%	8.8%	60.7%	-25.6%	-3.1%
Other metal forming machines	2,320	118,295,533	27.6%	9.9%	-39.4%	-63.3%	-14.1%	-11.3%
MACHINE TOOL TOTAL	849,884	1,951,444,438	36.5%	8.3%	-23.6%	-17.8%	-10.1%	-7.8%

U.S. EXPORTS
Metal Cutting Machine Tools - October 91

RELEASED: January 8, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	115	8110	14	891
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	67	11432	2	410
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	19	4652	1	690
100035	Horizontal machining centers, ATC	42	14967	4	986
100045	Machining centers, n.e.c.	127	14411	13	2757
200010	Unit construction mach. (single station transfer), NC	6	2335	1	188
200090	Unit construction mach. (single station transfer), non-NC	13	3090	0	0
300010	Multi-station transfer machines, NC	8	14559	0	0
300090	Multi-station transfer machines, non-NC	54	24317	32	5878
8458110010	Horizontal lathes, multiple spindle, NC	33	4417	3	267
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	180	15713	28	2707
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	29	4720	2	725
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	24	4312	3	389
190030	Horizontal engine or toolroom lathes, non-NC	33	534	2	37
190050	Automatic bar and/or chucking mach., single spindle, non-NC	19	309	0	0
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	48	3059	8	508
190090	Horizontal lathes, n.e.c., non-NC	245	6191	37	937
911060	Vertical turret lathes, multiple spindle, NC	1	45	1	45
911080	Vertical turret lathes, n.e.c., NC	2	484	1	223
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	26	1726	0	0
991050	Vertical turret lathes, non-NC	28	1007	1	19
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	65	2529	4	193
8459100000	Way-type unit head machines	4	257	0	0
210080	Other drilling machines, NC	152	11308	7	409
290040	Drilling machines, multiple spindle, non-NC	3	380	0	0
290050	Drilling machines, radial, non-NC	24	591	6	313
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	28	982	5	15
290090	Drilling machines, n.e.c., non-NC	854	5756	80	453
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	2	1280	1	886
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	7	4062	1	208
310070	Boring-milling machines, n.e.c., NC	20	1277	1	25
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	4	253	2	140
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	15	357	0	0
400040	Boring machines, vertical, NC	6	471	0	0
400050	Boring machines, vertical, non-NC	31	1551	2	276
400070	Boring machines, n.e.c., NC	1	148	0	0
400080	Boring machines, n.e.c., non-NC	70	3302	1	31
510080	Milling machines, knee type, NC	22	1710	5	401
590030	Milling machines, knee type, non-NC	91	3332	7	220
610080	Milling machines, excluding knee type, n.e.c., NC	53	17245	5	528
690050	Milling machines, profile, dup., or die sinking, non-NC	5	34	2	10
690070	Milling machines, bed type, non-NC	1	37	0	0
690090	Milling machines, n.e.c., non-NC	321	9395	84	1542
700020	Threading or tapping machines, n.e.c., NC	53	2211	3	80
700080	Threading or tapping machines, n.e.c., non-NC	209	6605	32	316
8460110080	Flat surface grinding machines, NC	49	3954	2	56
190010	Flat surface grinding mach., recip.-table type, non-NC	60	845	3	41
190050	Flat surface grinding machines, n.e.c., non-NC	30	3664	3	281
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	100	32241	4	1110
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	31	4868	2	198
290030	Grinding machines, internal cylindrical, non-NC	17	2931	5	2111
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	331	10586	27	1276
310080	Sharpening machines (tool & cutter grinding), NC	26	1951	1	34
390050	Sharpening machines (tool & cutter grinding), non-NC	779	6634	46	395
400060	Honing or lapping machines, NC	10	864	3	110
400080	Honing or lapping machines, non-NC	453	6691	32	356
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	7	1112	3	622
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	1077	13327	121	1611
8461100060	Planing machines, NC	2	219	1	19
100080	Planing machines, non-NC	153	5828	13	924
200010	Shaping or slotting machines, NC	17	1633	0	0
200090	Shaping or slotting machines, non-NC	29	756	0	0
300060	Broaching machines, NC	9	1196	0	0
300080	Broaching machines, non-NC	41	2617	5	863
401050	Gear hobbers	73	6558	23	2858
401070	Gear shapers	10	1264	1	40
401090	Gear cutting machines, n.e.c.	86	39869	3	1673
405060	Gear grinding or finishing machines	86	9028	5	113
500050	Sawing or cutting-off machines, NC	96	5159	10	410
500090	Sawing or cutting-off machines, non-NC	1173	14423	69	993
9000000001	Metal cutting machine tools, n.e.c.	733	23358	86	1696
9800000001	Used or rebuilt machine tools	5840	63350	330	3982
9900000001	Machine tools valued at less than $3,025	34714	20134	2681	2002
	Cutting Total			3880	47478
	Y-T-D Cutting Total	49192	500520		
	NC Y-T-D Cutting Total*	1488	201407		

Please see notes on last page
of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - October 91

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	2	401
100045	0	0	0	0	0	0	0	0	3	374
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	7	1925
8458110010	0	0	0	0	0	0	0	0	1	74
110030	0	0	0	0	0	0	1	76	2	189
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	2	231
190030	0	0	0	0	0	0	0	0	1	34
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	4	40	0	0	0	0	0	0	7	136
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	1	35
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	3	9
290090	0	0	0	0	0	0	1	3	16	168
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	1	208
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	1	136
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	31
510080	2	103	0	0	0	0	0	0	1	36
590030	2	69	0	0	0	0	1	40	0	0
610080	0	0	0	0	0	0	0	0	1	229
690050	0	0	0	0	0	0	0	0	2	10
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	1	11
700020	0	0	0	0	2	54	0	0	0	0
700080	0	0	0	0	2	164	20	67	5	32
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	1	58
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	5	105
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	1	6	22	217
400060	0	0	0	0	0	0	0	0	0	0
400080	4	33	0	0	0	0	0	0	4	54
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	2	26	1	4	0	0	26	442
8461100060	1	19	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	2	19
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	1	71	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	10	410
500090	0	0	0	0	0	0	1	4	18	173
9000000001	0	0	0	0	1	27	0	0	11	82
9800000001	11	285	0	0	1	153	1	8	63	1302
9900000001	61	60	0	0	31	22	10	12	216	243
Month Tot	85	609	2	26	38	424	37	286	436	7375
Y-T-D Tot	850	3987	76	784	934	9774	977	10396	4827	76601
NC YTD Tot*	9	1285	0	0	48	5518	30	4252	293	41154

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - October 91

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	11	661	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	3	1855	0	0	1	47	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	25	3953	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	6	557	1	89	6	492	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	2	218	0	0	0	0	0	0
190090	0	0	0	0	0	0	1	17	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	4	231	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	1	886	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	2	262	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	52	850	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	2	751	0	0	0	0	0	0	0	0
290010	0	0	0	0	1	140	0	0	0	0
290030	0	0	0	0	3	1837	2	274	0	0
290050	0	0	0	0	1	30	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	3	17	0	0	6	36
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	19	199	0	0	0	0
900060	3	622	0	0	0	0	0	0	0	0
900080	5	32	3	28	9	246	1	11	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	2	587	0	0	0	0	1	258	0	0
401050	0	0	0	0	9	488	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	1	954	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	1	14	6	95	0	0	0	0
9000000001	12	150	0	0	0	0	0	0	0	0
9800000001	43	592	0	0	19	102	0	0	0	0
9900000001	31	10	30	32	80	74	18	19	17	11
Month Tot	161	6268	62	4334	174	6500	23	579	23	47
Y-T-D Tot	702	31190	1369	16392	3097	50358	825	11340	96	4745
NC YTD Tot*	68	22114	51	7108	197	28718	11	2014	3	723

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - October 91

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	1	152
8457100015	0	0	0	0	0	0	0	0	1	285
100025	0	0	0	0	0	0	0	0	1	690
100035	0	0	1	249	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	3	324
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	2	194
110030	0	0	1	143	0	0	0	0	0	0
110050	0	0	0	0	2	725	0	0	0	0
110090	0	0	0	0	0	0	0	0	1	159
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	6	290	0	0	0	0
190090	2	22	0	0	8	97	0	0	10	461
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	1	223
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	1	19
995090	0	0	0	0	0	0	0	0	1	30
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	6	313	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	1	3
290090	0	0	2	9	43	192	0	0	12	53
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	2	140	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	1	140	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	1	62
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	8	184	12	285	0	0	2	17
700020	1	26	0	0	0	0	0	0	0	0
700080	1	6	0	0	0	0	0	0	3	46
8460110080	0	0	0	0	0	0	0	0	2	56
190010	0	0	0	0	0	0	0	0	1	26
190050	0	0	0	0	0	0	0	0	1	150
210080	0	0	1	60	1	299	0	0	0	0
290010	0	0	0	0	0	0	0	0	1	57
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	2	662	0	0	14	154
310080	0	0	0	0	0	0	0	0	1	34
390050	0	0	6	38	4	31	0	0	2	14
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	5	48	18	297	1	6	10	97
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	2	551	0	0	0	0	4	246
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	5	1877	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	1	648	0	0	0	0	0	0
405060	0	0	0	0	1	45	0	0	1	10
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	1	11	1	3	0	0	12	195
9000000001	2	32	6	164	11	131	0	0	7	233
9800000001	0	0	7	58	0	0	0	0	133	1078
9900000001	4	3	384	278	209	48	17	10	322	243
Month Tot	10	88	431	2755	326	5262	18	16	552	5309
Y-T-D Tot	765	10384	5105	47006	3173	43738	257	2932	9207	48060
NC YTD Tot*	17	3810	124	13254	63	11442	6	187	187	18383

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - October 91

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	1	125	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	2	120	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	7	814	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	1	7	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	1	67
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	2	108	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	1	80	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	2	55	1	187
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	1	32	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	4	25	0	0	2	13
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	1	49	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	3	58	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	0	0	1	33	8	124
9000000001	1	3	5	30	0	0	2	17	2	18
9800000001	0	0	8	23	0	0	3	8	1	5
9900000001	28	22	341	224	40	36	15	13	28	38
Month Tot	31	146	360	628	51	875	27	232	43	453
Y-T-D Tot	571	4246	2701	7356	270	2135	759	4491	1175	9802
NC YTD Tot*	11	1907	22	2225	8	841	17	2258	27	3260

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - October 91

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	1	39	0	0	0	0	1	39
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	1	336
100045	0	0	0	0	0	0	0	0	1	37
200010	0	0	0	0	0	0	0	0	1	188
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	1	90	0	0	0	0	3	257
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	1	3	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	1	120	3	36
911060	0	0	0	0	0	0	0	0	1	45
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	1	61
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	69
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	1	3
290090	0	0	0	0	0	0	0	0	6	26
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	1	25
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	4	111
610080	0	0	1	80	0	0	0	0	1	77
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	7	165	0	0	0	0	2	30
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	1	3
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	2	15
190050	0	0	0	0	0	0	0	0	1	73
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	2	83
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	4
400060	0	0	3	110	0	0	0	0	0	0
400080	2	31	0	0	0	0	0	0	3	40
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	5	20	0	0	20	221	9	93
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	4	46	0	0	1	19	1	13
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	9	493	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	1	40
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	14	241	0	0	0	0	6	98
9000000001	0	0	6	43	0	0	8	347	12	419
9800000001	0	0	5	163	0	0	1	5	34	202
9900000001	55	38	225	88	0	0	107	107	412	371
Month Tot	57	68	282	1581	0	0	138	819	513	2798
Y-T-D Tot	824	2174	3544	25274	166	17926	930	9361	5992	50067
NC YTD Tot*	18	1106	121	11003	5	456	19	1948	133	16441

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
October 91

RELEASED: January 8, 1992

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	266	6349	28	463
8462100030	Headers and upsetters, including cold headers	52	21594	1	750
100050	Forging or die stamping machines, and hammers, n.e.c.	276	26917	38	3626
210080	Bending, folding, straight. or flat. mach., incl presses, NC	216	21201	20	1262
290030	Press brakes, non-NC	92	3045	6	120
290040	Bending rolls, non-NC	47	1259	4	134
290050	Bending, folding, straight., or flat., n.e.c., non-NC	1050	33967	86	2508
310080	Shearing machines, NC	81	5957	5	235
390050	Shearing machines, non-NC	284	7561	35	532
410080	Punching or notching mach., incl. comb. punch & shear, NC	113	14984	7	734
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	675	15112	73	1400
910060	Hydraulic presses, NC	24	948	3	41
910090	Hydraulic presses, non-NC	476	16275	25	736
990030	Presses, n.e.c., NC	171	10296	9	922
990040	Presses, mechanical, non-NC	132	11336	8	866
990060	Presses, n.e.c., non-NC	801	34532	74	5126
8463100080	Draw benches for bars, tubes, profiles, wire or the like	200	6799	28	518
200080	Thread rolling machines	45	1456	4	208
300080	Machines for working wire	598	16328	57	1192
900080	Metal forming machine tools, n.e.c.	1170	77725	198	9136
9800000002	Used or rebuilt machine tools	2835	52015	193	7232
9900000002	Machine tools valued at less than $3,025	13141	10403	1108	920
	Forming Total			2010	38663
	Y-T-D Forming Total	22745	396061		
	NC Y-T-D Forming Total	605	53386		
	Cutting and Forming Totals:				
	Monthly Total			5890	86141
	Y-T-D Total	71937	896581		
	NC Y-T-D Total*	2093	254793		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	561744	0	62101
2000000000	Parts for working rubber or plastics - heading 8477	0	216837	0	20989
2710003070	Quenching or cutting oils	0	5594	0	319
8428900010	Industrial robots for lifting, handling, loading or unload	510	6769	42	2346
8431390090	Parts industrial robots, handling and loading - heading 8428	0	78785	0	6662
8456100000	Laser, light or photon beam for working any material	487	30619	50	4040
200000	Ultrasonic process for working any material	51	2017	2	751
8477106010	Injection molding mach., for rubber or oth. thermosetting	232	17969	30	3089
106070	Injection molding machines, for thermoplastics	447	48243	78	6505
200005	Extruders; rubber or other thermosetting mat., single screw	98	7016	3	79
200015	Extruders; rubber or thermosetting, other incl. multi. screw	117	10070	6	606
200030	Extruders; thermoplastics, single screw	389	20485	26	2922
200060	Extruders; thermoplastics, other incl. multi. screw	76	7778	4	259
300000	Blow molding machines	495	28112	44	4569
400000	Vacuum-molding and other thermoforming machines	936	7681	100	1685
510010	Machines for molding or retreading pneumatic tires	2425	14974	109	1736
510090	Machines for molding or otherwise forming inner tubes	598	11384	176	687
590000	Machines for molding or otherwise forming n.e.c.	1373	22246	125	4073
800000	Machines for working rubber or plastics n.e.c.	4109	66164	350	9038
8479899040	Industrial robots, n.e.c.	4841	59171	449	8330
908040	Industrial robot parts	0	29561	0	3331
8537100030	Numerical controls for controlling machine tools	1349	19495	144	2065
9024100000	Machines and appliances for testing metals	0	59057	0	5398
9031100000	Machines for balancing mechanical parts	0	25494	0	3433
300000	Profile projectors	0	4204	0	578
9032810040	Industrial process control instr., hydraulic or pneumatic	737667	43356	79185	4095

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
October 91

Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	1	750	0	0
100050	0	0	1	45	0	0	0	0	1	37
210080	0	0	0	0	2	74	1	44	1	25
290030	0	0	0	0	0	0	0	0	2	26
290040	0	0	0	0	0	0	0	0	2	65
290050	3	78	0	0	3	30	0	0	12	287
310080	0	0	0	0	0	0	0	0	2	152
390050	0	0	0	0	1	13	0	0	15	113
410080	0	0	0	0	0	0	0	0	1	31
490050	4	179	0	0	0	0	0	0	7	64
910060	0	0	0	0	0	0	0	0	0	0
910090	1	10	0	0	0	0	1	22	2	91
990030	0	0	0	0	0	0	6	641	1	7
990040	0	0	0	0	0	0	1	470	0	0
990060	0	0	0	0	1	20	6	233	7	40
8463100080	0	0	0	0	0	0	0	0	3	52
200080	0	0	0	0	0	0	1	33	0	0
300080	0	0	0	0	0	0	1	4	4	134
900080	4	32	1	5	0	0	0	0	9	449
9800000002	1	4	0	0	0	0	1	16	36	584
9900000002	17	11	0	0	0	0	0	0	169	181
Month Tot	30	315	2	50	7	137	19	2214	274	2337
Y-T-D Tot	459	9485	17	429	356	3035	225	7849	2768	36777
NC YTD Tot	4	210	3	99	23	707	19	1681	72	8204
C&F Month	115	924	4	76	45	562	56	2499	710	9712
C&F Y-T-D	1309	13472	93	1212	1290	12809	1202	18246	7595	113377
C&F NC YTD*	13	1495	3	99	71	6225	49	5933	365	49357

Other Manufacturing Technology

1000000000	0	946	0	856	0	896	0	1113	0	14771
2000000000	0	231	0	145	0	123	0	504	0	4939
2710003070	0	8	0	0	0	0	0	0	0	85
8428900010	0	0	0	0	0	0	0	0	1	15
8431390090	0	199	0	21	0	99	0	49	0	868
8456100000	0	0	0	0	0	0	0	0	1	324
200000	0	0	0	0	0	0	0	0	1	737
8477106010	1	150	0	0	0	0	1	97	2	88
106070	3	125	0	0	0	0	34	3767	13	683
200005	0	0	0	0	0	0	0	0	1	19
200015	0	0	0	0	0	0	0	0	2	210
200030	1	128	0	0	2	246	0	0	0	0
200060	0	0	0	0	0	0	0	0	1	19
300060	0	0	0	0	0	0	0	0	4	2551
400000	0	0	0	0	0	0	0	0	63	589
510010	8	96	0	0	0	0	11	125	1	10
510090	4	52	0	0	0	0	0	0	0	0
590000	28	923	0	0	7	179	6	137	4	211
800000	3	41	0	0	9	146	1	543	73	1352
8479899040	1	61	0	0	0	0	0	0	376	4207
908040	0	18	0	0	0	0	0	17	0	2396
8537100030	0	0	0	0	0	0	6	79	17	198
9024100000	0	57	0	0	0	16	0	186	0	368
9031100000	0	17	0	0	0	0	0	16	0	1153
300000	0	0	0	0	0	0	0	0	0	37
9032810040	455	45	2551	146	490	42	18	30	4429	408

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
October 91

Metal Forming	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	9	97	0	0	4	54	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	5	302	3	153	1	151	0	0	0	0
210080	0	0	0	0	2	133	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	1	11	1	67	4	219	1	60	13	376
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	1	11	8	129	0	0	0	0
410080	0	0	0	0	1	147	0	0	0	0
490050	1	7	0	0	33	506	0	0	16	199
910060	0	0	0	0	0	0	0	0	0	0
910090	1	59	0	0	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	7	38	5	1086	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	3	175	0	0	0	0
300080	0	0	6	422	2	48	0	0	3	85
900080	0	0	19	556	11	597	1	20	3	300
9800000002	8	500	0	0	7	35	0	0	0	0
9900000002	2	3	39	33	123	103	0	0	0	0
Month Tot	27	978	76	1279	204	3383	2	80	35	960
Y-T-D Tot	377	21929	903	21514	1706	36887	111	1002	155	4983
NC YTD Tot	24	2187	34	2718	36	3974	2	170	1	23
C&F Month	188	7247	138	5614	378	9883	25	659	58	1006
C&F Y-T-D	1079	53119	2272	37906	4803	87245	936	12342	251	9728
C&F NC YTD*	92	24301	85	9826	233	32692	13	2183	4	746

Other Manufacturing Technology

1000000000	0	612	0	2543	0	5349	0	2371	0	389
2000000000	0	509	0	675	0	947	0	3	0	27
2710003070	0	0	0	0	0	9	0	0	0	40
8428900010	0	0	0	0	7	79	0	0	0	0
8431390090	0	132	0	97	0	158	0	27	0	33
8456100000	0	0	4	943	24	1131	1	182	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	4	770	1	95	0	0	0	0
106070	0	0	0	0	2	130	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	0	0	1	893	0	0
200060	0	0	0	0	1	18	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
400000	0	0	10	48	0	0	0	0	0	0
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	8	120	7	111	0	0	2	1328
800000	126	3511	4	117	0	0	0	0	0	0
8479899040	0	0	4	78	21	764	0	0	0	0
908040	0	0	0	121	0	225	0	0	0	0
8537100030	3	92	9	90	17	302	0	0	0	0
9024100000	0	0	0	171	0	318	0	16	0	0
9031100000	0	8	0	0	0	77	0	11	0	0
300000	0	0	0	0	0	24	0	0	0	0
9032810040	0	0	3741	204	6447	407	133	28	0	0

Not Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* " * "C&F NC YTD" does not include code 8456300000.
Not Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
October 91

Metal Forming	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	4	44	0	0	0	0	5	53
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	21	1950	1	69	0	0
210080	0	0	1	139	0	0	0	0	7	592
290030	0	0	0	0	0	0	0	0	3	81
290040	0	0	0	0	0	0	0	0	1	56
290050	0	0	2	56	0	0	1	100	29	708
310080	0	0	0	0	0	0	0	0	2	61
390050	0	0	0	0	0	0	0	0	5	165
410080	0	0	0	0	0	0	0	0	2	276
490050	1	11	0	0	0	0	0	0	2	44
910060	1	25	0	0	0	0	0	0	2	16
910090	0	0	5	179	0	0	0	0	7	139
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	2	190
990060	1	20	6	2199	8	209	0	0	18	482
8463100080	0	0	0	0	0	0	0	0	11	149
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	4	73	0	0	0	0	10	110
900080	0	0	5	127	112	6282	0	0	10	141
9800000002	8	161	1	3734	0	0	0	0	113	1735
9900000002	60	16	106	73	50	19	12	10	153	152
Month Tot	71	234	134	6626	191	8460	14	180	382	5150
Y-T-D Tot	586	9861	1521	36905	866	31876	140	1406	4577	49641
NC YTD Tot	5	631	47	5224	40	4352	1	29	67	6090
C&F Month	81	322	565	9381	517	13722	32	196	934	10459
C&F Y-T-D	1351	20245	6626	83911	4039	75614	397	4338	13784	97701
C&F NC YTD*	22	4440	171	18477	103	15795	7	216	254	24473

Other Manufacturing Technology

1000000000	0	983	0	5635	0	1497	0	254	0	4305
2000000000	0	227	0	844	0	1513	0	116	0	3010
2710003070	0	0	0	25	0	30	0	0	0	14
8428900010	3	1913	0	0	0	0	0	0	16	162
8431390090	0	23	0	844	0	190	0	0	0	358
8456100000	2	50	0	0	3	845	0	0	4	262
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	3	222	1	652	0	0	8	436
106070	1	85	0	0	0	0	0	0	2	94
200005	0	0	0	0	0	0	0	0	1	40
200015	0	0	0	0	0	0	0	0	2	350
200030	0	0	0	0	0	0	0	0	4	1052
200060	0	0	0	0	0	0	0	0	1	68
300000	0	0	0	0	1	230	0	0	10	175
400000	0	0	1	12	1	7	0	0	22	888
510010	1	70	0	0	27	690	0	0	7	36
510090	0	0	0	0	0	0	0	0	1	20
590000	6	94	4	113	3	120	4	5	0	0
800000	0	0	8	12	13	196	0	0	57	2266
8479899040	9	2001	2	14	8	50	0	0	8	44
908040	0	0	0	185	0	14	0	0	0	10
8537100030	7	89	3	54	3	42	0	0	0	0
9024100000	0	558	0	538	0	308	0	0	0	184
9031100000	0	17	0	13	0	1284	0	0	0	323
300000	0	82	0	0	0	343	0	5	0	0
9032810040	7865	644	29	43	1113	112	4	4	1952	167

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
October 91

Metal Forming

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	1	72	0	0	0	0
210080	0	0	1	52	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	4	82	1	15
310080	1	22	0	0	0	0	0	0	0	0
390050	0	0	4	84	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	2	244
490050	0	0	1	8	0	0	0	0	1	14
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	1	30	0	0	1	11
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	4	190
990060	1	8	0	0	0	0	0	0	1	190
8463100080	0	0	0	0	0	0	7	188	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	4	54	3	63	0	0	0	0
900080	3	13	0	0	2	229	0	0	1	5
9800000002	1	34	2	45	0	0	0	0	3	59
9900000002	29	11	49	43	0	0	28	17	11	14
Month Tot	35	87	61	286	7	394	39	286	25	742
Y-T-D Tot	813	8859	479	5895	160	4736	340	2507	274	8381
NC YTD Tot	20	2132	17	1181	6	283	3	181	41	2719
C&F Month	66	233	421	915	58	1269	66	519	68	1195
C&F Y-T-D	1384	13105	3180	13251	430	6871	1099	6998	1449	18184
C&F NC YTD*	31	4039	39	3407	14	1124	20	2439	68	5979

Other Manufacturing Technology

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	483	0	1339	0	272	0	1385	0	1168
2000000000	0	136	0	1138	0	254	0	87	0	204
2710003070	0	0	0	18	0	0	0	0	0	17
8428900010	4	39	0	0	9	92	0	0	1	43
8431390090	0	122	0	299	0	136	0	10	0	85
8456100000	3	72	0	0	0	0	1	30	0	0
200000	0	0	0	0	1	14	0	0	0	0
8477106010	1	25	4	181	1	203	0	0	2	104
106070	0	0	6	460	1	30	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	1	27
400000	1	12	0	0	0	0	0	0	0	0
510010	25	35	0	0	2	39	0	0	0	0
510090	0	0	3	3	0	0	0	0	0	0
590000	2	20	0	0	2	35	1	9	4	70
800000	20	201	0	0	0	0	0	0	6	90
8479899040	0	0	4	886	0	0	2	20	0	0
908040	0	3	0	3	0	4	0	22	0	24
8537100030	1	12	0	0	0	0	0	0	3	39
9024100000	0	31	0	42	0	26	0	17	0	27
9031100000	0	0	0	5	0	0	0	0	0	24
300000	0	0	0	24	0	0	0	0	0	23
9032810040	7056	428	1387	176	2205	122	144	23	1229	151

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
October 91

Metal Forming

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	11	0	0	0	0	1	6	4	198
8462100030	0	0	0	0	0	0	0	0	0	0
100050	1	581	0	0	0	0	0	0	3	265
210080	0	0	0	0	0	0	0	0	5	203
290030	0	0	0	0	0	0	0	0	1	13
290040	0	0	0	0	0	0	0	0	1	13
290050	2	49	5	319	0	0	2	38	2	14
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	17
410080	0	0	1	36	0	0	0	0	0	0
490050	1	31	0	0	0	0	0	0	6	337
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	5	160	0	0	0	0	1	36
990030	2	274	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	1	17
990060	0	0	9	393	0	0	1	20	3	187
8463100080	0	0	6	123	0	0	0	0	1	5
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	20	0	0	2	36	17	143
900080	0	0	11	280	0	0	0	0	6	101
9800000002	0	0	2	156	0	0	3	98	7	71
9900000002	2	5	110	99	0	0	4	3	144	127
Month Tot	9	951	150	1585	0	0	13	201	203	1746
Y-T-D Tot	448	8328	1513	27800	3	123	394	2219	3554	53633
NC YTD Tot	15	1447	49	2125	2	97	5	241	69	6682
C&F Month	66	1020	432	3166	0	0	151	1020	716	4543
C&F Y-T-D	1272	10502	5057	53074	169	18049	1324	11580	9546	103700
C&F NC YTD*	33	2553	170	13127	7	553	24	2189	202	23123

Other Manufacturing Technology

1000000000	0	835	0	3776	0	0	0	1552	0	8771
2000000000	0	298	0	896	0	0	0	490	0	3672
2710003070	0	0	0	0	0	0	0	7	0	65
8428900010	0	0	0	0	0	0	0	0	1	4
8431390090	0	92	0	414	0	0	0	515	0	1891
8456100000	0	0	2	99	0	0	0	0	5	103
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	1	66
106070	0	0	2	125	0	0	0	0	14	1006
200005	0	0	0	0	0	0	0	0	1	20
200015	0	0	0	0	0	0	0	0	2	46
200030	0	0	1	28	0	0	0	0	17	575
200060	0	0	0	0	0	0	0	0	1	154
300000	0	0	2	280	0	0	0	0	26	1305
400000	0	0	0	0	0	0	0	0	2	128
510010	0	0	7	174	0	0	1	22	19	437
510090	31	9	18	465	0	0	0	0	119	138
590000	1	14	26	434	0	0	0	0	10	149
800000	5	79	6	239	0	0	8	120	11	125
8479899040	1	42	9	122	0	0	0	0	4	40
908040	0	0	0	142	0	0	0	71	0	76
8537100030	1	11	44	629	0	0	0	0	30	428
9024100000	0	0	0	1600	0	0	0	34	0	900
9031100000	0	0	0	89	0	0	0	209	0	187
300000	0	0	0	10	0	0	0	0	0	29
9032810040	28	8	6862	420	0	0	899	55	30148	434

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
October 91

EUROPE

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
Bulgaria	0	0	0	0	0	0
Czechoslovakia	0	0	0	0	0	0
Denmark	2	53	1	28	3	81
Finland	0	0	0	0	0	0
Greece	21	32	0	0	21	32
Hungary	0	0	0	0	0	0
Iceland	0	0	0	0	0	0
Ireland	6	318	12	12	18	330
Luxembourg	0	0	7	6	7	6
Norway	3	28	0	0	3	28
Poland	1	116	0	0	1	116
Portugal	4	31	52	45	56	76
Romania	0	0	0	0	0	0
Sweden	6	16	5	13	11	29
Turkey	6	20	1	25	7	45
Yugoslavia	0	0	2	165	2	165
Oth Europe	1	16	2	20	3	36
TOTAL	727	14836	673	7751	1400	22587

NORTH AND CENTRAL AMERICA

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
Bahamas	0	0	0	0	0	0
Barbados	0	0	2	28	2	28
Belize	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0
Costa Rica	28	25	5	176	33	201
Dominican Rep	1	3	0	0	1	3
El Salvador	1	6	0	0	1	6
Guatemala	9	15	2	3	11	17
Haiti	0	0	0	0	0	0
Honduras	33	13	1	13	34	25
Jamaica	0	0	2	74	2	74
Panama	1	4	13	51	14	55
Trinidad	0	0	4	119	4	119
Oth N & C Am.	3	12	7	9	10	21
TOTAL	1064	12761	692	7960	1756	20721

SOUTH AMERICA

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
Argentina	9	156	5	27	14	184
Bolivia	0	0	0	0	0	0
Chile	47	168	7	144	54	312
Colombia	8	17	21	138	29	155
Ecuador	13	14	1	17	14	30
Paraguay	0	0	0	0	0	0
Peru	8	341	3	18	11	359
Uruguay	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	260	1800	69	2759	329	4559

OCEANIA

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
New Zealand	10	91	4	15	14	106
Oth Oceania	0	0	0	0	0	0
TOTAL	95	700	34	331	129	1030

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
October 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	142	447	7	419	149	865
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	52	34	0	0	52	34
Jordan	2	3	1	5	3	8
Kuwait	3	47	11	17	14	63
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	1	25	0	0	1	25
Pakistan	0	0	0	0	0	0
Philippines	34	127	18	13	52	140
Qatar	0	0	0	0	0	0
Saudi Arabia	34	354	1	36	35	389
Sri Lanka	0	0	0	0	0	0
Syria	0	0	0	0	0	0
United Arab Emr	10	48	2	22	12	69
Vietnam	0	0	0	0	0	0
Oth Asia	0	0	2	20	2	20
TOTAL	1720	17161	540	19794	2260	36955
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	5	179	0	0	5	179
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	0	0	0	0	0	0
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	1	12	0	0	1	12
South Africa	8	30	1	66	9	96
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	0	0	0	0	0	0
Oth Africa	0	0	1	3	1	3
TOTAL	14	221	2	68	16	289

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS – Metal Cutting Machine Tools – October 91

RELEASED: January 8, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301020	Traveling wire electro-discharge machines	583	44351	71	6061
301050	Electro-discharge machines, n.e.c., NC	175	15593	23	1712
301070	Electro-discharge machines, n.e.c., non-NC	256	3250	13	134
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	1476	120397	183	13801
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	101	15854	15	1456
100035	Horizontal machining centers, ATC	406	88448	36	9513
100045	Machining centers, n.e.c.	275	129308	19	2949
200010	Unit construction mach. (single station transfer), NC	30	7322	3	192
200090	Unit construction mach. (single station transfer), non-NC	7	1968	0	0
300010	Multi-station transfer machines, NC	27	48379	7	16335
300090	Multi-station transfer machines, non-NC	51	21986	8	1991
8458110010	Horizontal lathes, multiple spindle, NC	232	39098	27	4615
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	1456	111271	116	9646
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	322	45852	19	2417
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	52	18427	7	2379
190030	Horizontal engine or toolroom lathes, non-NC	2885	26568	306	2955
190050	Automatic bar and/or chucking mach., single spindle, non-NC	296	7346	39	763
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	33	3646	3	308
190090	Horizontal lathes, n.e.c., non-NC	403	16179	33	874
911060	Vertical turret lathes, multiple spindle, NC	21	7062	4	2181
911080	Vertical turret lathes, n.e.c., NC	42	12390	4	1644
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	14	2952	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	23	3740	2	247
991050	Vertical turret lathes, non-NC	88	4415	1	94
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	419	9328	45	1352
8459100000	Way-type unit head machines	6	928	1	554
210080	Other drilling machines, NC	341	23890	28	1634
290040	Drilling machines, multiple spindle, non-NC	19	1745	1	282
290050	Drilling machines, radial, non-NC	194	2001	17	150
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	42	411	1	8
290090	Drilling machines, n.e.c., non-NC	324	9095	8	743
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	14	6272	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	65	12528	4	1316
310070	Boring-milling machines, n.e.c., NC	20	4530	1	13
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	4	271	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	73	4300	1	53
400040	Boring machines, vertical, NC	10	1326	1	130
400050	Boring machines, vertical, non-NC	40	779	0	0
400070	Boring machines, n.e.c., NC	21	9669	4	4106
400080	Boring machines, n.e.c., non-NC	329	5743	55	639
510080	Milling machines, knee type, NC	280	5402	15	227
590030	Milling machines, knee type, non-NC	1893	15702	162	1504
610080	Milling machines, excluding knee type, n.e.c., NC	418	28223	48	1067
690050	Milling machines, profile, dup., or die sinking, non-NC	36	740	12	44
690070	Milling machines, bed type, non-NC	25	687	1	15
690090	Milling machines, n.e.c., non-NC	333	9133	45	615
700020	Threading or tapping machines, n.e.c., NC	185	10454	31	1385
700080	Threading or tapping machines, n.e.c., non-NC	156	5110	15	298
8460110080	Flat surface grinding machines, NC	103	11645	3	483
190010	Flat surface grinding mach., recip.-table type, non-NC	327	4688	41	717
190050	Flat surface grinding machines, n.e.c., non-NC	1000	11947	60	603
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	403	69004	43	6035
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	298	11922	26	499
290030	Grinding machines, internal cylindrical, non-NC	124	5400	6	811
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	636	25336	50	3870
310080	Sharpening machines (tool & cutter grinding), NC	136	6087	18	484
390050	Sharpening machines (tool & cutter grinding), non-NC	468	6862	52	579
400060	Honing or lapping machines, NC	26	3163	1	215
400080	Honing or lapping machines, non-NC	179	12872	16	883
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	88	5242	8	158
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	983	25827	108	2747
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	8	46	0	0
200010	Shaping or slotting machines, NC	6	555	3	254
200090	Shaping or slotting machines, non-NC	46	3224	7	24
300060	Broaching machines, NC	5	2814	0	0
300080	Broaching machines, non-NC	11	3826	0	0
401020	Gear cutting for bevel gears	3	1066	1	545
401030	Gear hobbers	137	17753	14	1584
401040	Gear shapers	35	3884	2	48
401060	Gear cutting machines, n.e.c.	119	2296	3	59
405050	Gear grinding or finishing for bevel gears	4	473	3	423
405070	Gear grinding or finishing machines, n.e.c.	42	16508	6	2344
500050	Sawing or cutting-off machines, NC	88	10465	1	142
500090	Sawing or cutting-off machines, non-NC	1168	26124	80	1241
9000000001	Metal cutting machine tools, n.e.c.	229	12497	14	2378
9800000001	Used or rebuilt machine tools	3237	39833	1452	4223
9900000001	Machine tools valued at less than $3,025	718407	69552	91862	7617
	Cutting Total			95315	137365
	Y-T-D Cutting Total	742817	1374975		
	NC Y-T-D Cutting Total	7474	926633		

Please see notes on last page
of the metal forming section.

U.S. IMPORTS – Metal Cutting Machine Tools – October 91

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	1	192
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	1	64
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	1	674
100045	0	0	0	0	0	0	1	124	2	433
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	4	1097
8458110010	0	0	0	0	0	0	0	0	2	402
110030	0	0	0	0	0	0	0	0	8	1230
110050	0	0	0	0	0	0	3	356	3	401
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	20	164	1	5	0	0	0	0
190050	0	0	0	0	0	0	0	0	1	31
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	1	94	0	0
995090	0	0	19	159	1	146	0	0	1	75
8459100000	0	0	0	0	0	0	0	0	1	554
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	5	60	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	1	8
290090	0	0	0	0	1	191	1	473	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	1	49
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	53
400040	0	0	0	0	0	0	0	0	1	130
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	1	35
400080	0	0	0	0	2	19	46	506	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	1	6	0	0	4	63
610080	0	0	0	0	0	0	0	0	2	242
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	4	161
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	1	4
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	5	922
290010	0	0	0	0	20	151	0	0	1	95
290030	0	0	0	0	0	0	0	0	5	677
290050	0	0	0	0	4	15	0	0	32	1252
310080	0	0	0	0	1	2	0	0	4	139
390050	0	0	0	0	1	3	0	0	16	281
400060	0	0	0	0	0	0	0	0	1	215
400080	0	0	0	0	0	0	0	0	2	20
900060	0	0	0	0	0	0	0	0	1	101
900080	0	0	0	0	5	46	0	0	6	218
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	3	254
200090	0	0	0	0	7	24	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	1	545
401030	0	0	0	0	0	0	0	0	10	1277
401040	0	0	0	0	0	0	0	0	2	48
401060	0	0	0	0	0	0	0	0	1	53
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	3	1669
500050	1	142	0	0	0	0	0	0	0	0
500090	0	0	0	0	22	194	0	0	11	469
9000000001	0	0	1	17	0	0	0	0	0	0
9800000001	0	0	3	58	13	61	5	104	22	808
9900000001	2	3	0	0	208	33	283	121	513	232
Month Tot	3	144	48	458	287	895	340	1779	680	15172
Y-T-D Tot	73	1829	671	7487	5374	14606	2522	17851	6845	303152
NC YTD Tot	5	403	13	1501	37	3333	51	8917	512	199230

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - October 91

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	36	3058	0	0	0	0	0	0
301050	0	0	9	1078	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	112	10297	3	126	22	1085	0	0
100025	0	0	4	700	0	0	0	0	0	0
100035	0	0	32	8437	1	73	0	0	0	0
100045	1	902	1	300	3	192	0	0	0	0
200010	0	0	2	75	1	118	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	7	16335	0	0	0	0	0	0
300090	0	0	1	175	0	0	0	0	0	0
8458110010	0	0	25	4212	0	0	0	0	0	0
110030	0	0	84	7191	2	147	0	0	0	0
110050	0	0	8	1350	0	0	0	0	0	0
110090	0	0	7	2379	0	0	0	0	0	0
190030	0	0	1	54	13	175	28	389	0	0
190050	0	0	1	269	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	4	2181	0	0	0	0	0	0
911080	0	0	4	1644	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	1	88	1	159	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	2	39	15	878	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	28	1634	0	0	0	0	0	0
290040	0	0	1	282	0	0	0	0	0	0
290050	0	0	1	34	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	3	4071	0	0	0	0	0	0
400080	7	114	0	0	0	0	0	0	0	0
510080	0	0	1	50	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	24	386
610080	0	0	2	329	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	1	15	0	0	0	0	0	0
690090	1	186	2	9	0	0	0	0	2	133
700020	0	0	24	1210	0	0	0	0	0	0
700080	1	7	2	83	0	0	0	0	0	0
8460110080	0	0	2	14	0	0	0	0	0	0
190010	0	0	5	311	0	0	17	182	0	0
190050	0	0	1	128	0	0	0	0	0	0
210080	0	0	30	4307	0	0	0	0	0	0
290010	0	0	1	111	0	0	0	0	0	0
290030	0	0	1	134	0	0	0	0	0	0
290050	3	47	0	0	0	0	0	0	0	0
310080	1	7	6	19	0	0	0	0	0	0
390050	0	0	5	24	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	2	39	8	808	0	0	0	0	0	0
900060	0	0	5	36	0	0	0	0	0	0
900080	1	12	28	1477	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	1	286	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	1	3	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	2	644	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	2	80	16	291	0	0	0	0	0	0
9000000001	1	8	10	2119	0	0	0	0	0	0
9800000001	2	40	38	2063	0	0	0	0	1	16
9900000001	2369	480	4052	694	1490	143	48	8	0	0
Month Tot	2393	2012	4617	81114	1528	1851	115	1664	27	535
Y-T-D Tot	27825	42525	48511	651914	18746	16001	930	10760	1555	14701
NC YTD Tot	100	22360	4460	554373	130	8927	137	6350	150	1209

Please see notes on last page of the metal forming section.

U.S. IMPORTS – Metal Cutting Machine Tools – October 91

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	23	2471	0	0	0	0	12	533
301050	0	0	0	0	4	45	0	0	9	396
301070	0	0	0	0	13	134	0	0	0	0
8457100015	0	0	0	0	28	1607	6	314	11	310
100025	0	0	0	0	8	665	0	0	3	91
100035	0	0	0	0	1	145	0	0	1	184
100045	0	0	0	0	0	0	7	485	4	514
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	3	719	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	1	58	9	427	11	580	1	14
110050	0	0	0	0	5	310	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	86	716	22	409	135	1042
190050	0	0	1	71	32	158	4	234	0	0
190070	0	0	1	245	0	0	1	13	1	50
190090	0	0	0	0	24	75	4	713	5	87
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	4	29	3	25
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	11	56	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	3	46	0	0	2	26	1	6
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	2	1173	0	0	0	0	1	94
310070	0	0	0	0	0	0	0	0	1	13
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	14	177	0	0	0	0
590030	0	0	0	0	111	713	17	282	5	53
610080	0	0	1	90	42	398	0	0	1	9
690050	0	0	0	0	12	44	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	15	26	146	0	0	13	125
700020	0	0	0	0	7	75	0	0	0	0
700080	0	0	8	46	0	0	0	0	0	0
8460110080	0	0	1	468	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	18	220
190050	0	0	0	0	45	349	6	58	8	68
210080	0	0	3	423	0	0	5	383	0	0
290010	0	0	2	139	0	0	2	3	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	2	1078	1	368	0	0	5	1059	3	51
310080	0	0	2	211	0	0	3	10	1	96
390050	0	0	2	17	0	0	25	186	3	68
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	4	15	0	0
900060	0	0	0	0	0	0	0	0	2	21
900080	0	0	5	63	0	0	13	72	50	859
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	3	21
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	1	3	0	0	0	0	0	0
405050	0	0	0	0	0	0	3	423	0	0
405070	0	0	0	0	0	0	1	31	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	1	26	14	55	13	69	1	56
9000000001	0	0	0	0	0	0	1	94	1	140
9800000001	31	23	0	0	1283	35	38	855	16	162
9900000001	53	94	103	83	67955	4244	166	133	14620	1351
Month Tot	86	1195	165	6734	69730	10675	363	6476	14933	6658
Y-T-D Tot	2197	14788	1101	64999	502515	90986	2552	64873	121400	58504
NC YTD Tot	13	6833	236	32752	740	25506	318	34989	572	19950

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
October 91

RELEASED: January 10, 1992

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	208	24349	2	438
8462100030	Headers and upsetters, including cold headers	66	13624	8	855
100050	Forging or die stamping machines, and hammers, n.e.c.	559	38611	54	5181
210080	Bending, folding, straight. or flat. mach., incl presses, NC	414	30464	33	2105
290030	Press brakes, non-NC	178	6242	17	533
290040	Bending rolls, non-NC	58	1445	6	127
290050	Bending, folding, straight., or flat., n.e.c., non-NC	768	25390	60	1751
310080	Shearing machines, NC	20	3419	9	1496
390050	Shearing machines, non-NC	286	11598	29	2447
410080	Punching or notching mach., incl. comb. punch & shear, NC	173	26673	10	2147
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	369	8036	37	505
910060	Hydraulic presses, NC	25	8099	16	2848
910090	Hydraulic presses, non-NC	1785	17185	136	1586
990030	Presses, n.e.c., NC	3	1451	0	0
990035	Mechanical transfer presses, non-NC	12	62504	2	508
990045	Mechanical presses, n.e.c., non-NC	157	16012	69	1626
990060	Presses, n.e.c., non-NC	404	21395	84	3380
8463100080	Draw benches for bars, tubes, profiles, wire or the like	116	9427	5	268
200080	Thread rolling machines	62	1788	11	156
300080	Machines for working wire	822	46086	94	4274
900080	Metal forming machine tools, n.e.c.	785	23241	45	830
9800000002	Used or rebuilt machine tools	2502	22203	122	1203
9900000002	Machine tools valued at less than $3,025	11769	4989	966	499
	Forming Total			1815	34763
	Y-T-D Forming Total	21541	424230		
	NC Y-T-D Forming Total	635	70105		
	Cutting and Forming Totals:				
	Monthly Total			97130	172127
	Y-T-D Total	764358	1799206		
	NC Y-T-D Total	8109	996738		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
1000000000	Machine tool parts and accessories	0	470070	0	47679
2000000000	Parts for working rubber or plastics - heading 8477	0	268098	0	24341
2710003070	Quenching or cutting oils	0	267	0	36
8428900010	Industrial robots for lifting, handling, loading or unload	1245	27325	102	2156
8431390080	Parts industrial robots, handling and loading - heading 8428	0	78176	0	7321
8456101010	Laser, light or photon beam for working metal, NC	130	29623	24	4171
101020	Laser, light or photon beam for working metal, non-NC	90	9518	14	908
105000	Laser, light or photon beam for other materials	170	7067	115	277
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	34	137	1	17
205000	Ultrasonic processes for working other materials	38	229	1	5
8477103000	Injection molding mach., for manufacturing shoes	169	1850	99	202
106010	Injection molding mach., for rubber or oth. thermosetting	670	75515	54	5018
106050	Injection molding mach., for thermoplastics	1851	171355	145	12466
200005	Extruders; rubber or other thermosetting mat., single screw	34	6690	4	1820
200015	Extruders; rubber or thermosetting, other incl. multi. screw	133	15526	6	285
200035	Extruders; thermoplastics, single screw, less than 6.4cm	76	2460	5	223
200045	Extruders; thermoplastics, single screw, 6.4cm or greater	88	11308	15	2107
200055	Extruders; thermoplastics, mutli. screw, less than 6.4cm	57	6460	9	572
200065	Extruders; thermoplastics, multi. screw, 6.4cm or larger	109	20313	12	7640
300000	Blow molding machines	217	45744	31	1450
400000	Vacuum-molding and other thermoforming machines	276	15353	11	275
510010	Machines for molding or retreading pneumatic tires	296	22939	15	2542
510090	Machines for molding or otherwise forming inner tubes	68	5470	15	2287
590000	Machines for molding or otherwise forming n.e.c.	512	27640	69	1875
800000	Machines for working rubber or plastics n.e.c.	1838	129309	224	7314
8479899040	Industrial robots, n.e.c.	3296	121040	312	11937
908040	Industrial robot parts	0	26725	0	2768
8537100030	Numerical controls for controlling machine tools	7840	28511	957	3097
9024100000	Machines and appliances for testing metals	0	9077	0	516
9031100000	Machines for balancing mechanical parts	0	7949	0	2010
300000	Profile projectors	0	4777	0	418
9032810020	Industrial process control instr., hydraulic	107197	2907	5953	344
810060	Industrial process control instr., pneumatic	132987	4300	10750	383

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
October 91

Metal Forming

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	2	287
100050	0	0	0	0	2	16	1	230	8	678
210080	0	0	0	0	3	32	8	25	2	218
290030	3	101	0	0	11	411	0	0	0	0
290040	0	0	0	0	0	0	0	0	1	4
290050	0	0	0	0	27	216	0	0	4	48
310080	0	0	0	0	0	0	0	0	1	427
390050	9	171	0	0	5	109	2	18	1	8
410080	0	0	0	0	0	0	0	0	2	236
490050	0	0	0	0	2	34	0	0	1	6
910060	0	0	0	0	0	0	0	0	2	2409
910090	0	0	0	0	2	5	0	0	3	885
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	1	11
990045	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	19	494	0	0	12	1442
8463100080	0	0	0	0	0	0	0	0	5	268
200080	0	0	0	0	0	0	0	0	0	0
300080	1	76	0	0	15	746	0	0	10	527
900080	0	0	0	0	2	16	4	30	4	360
9800000002	1	35	0	0	28	107	0	0	25	134
9900000002	0	0	0	0	40	38	6	3	48	14
Month Tot	14	384	0	0	156	2224	21	305	132	7965
Y-T-D Tot	172	8002	30	19760	1814	36967	222	2407	1278	76867
NC YTD Tot	1	561	0	0	30	3938	18	128	98	18373
C&F Month	17	528	48	458	443	3120	361	2084	812	23137
C&F Y-T-D	245	9831	701	27247	7188	51573	2744	20258	8123	380019
C&F NC YTD	6	964	13	1501	67	7271	69	9045	610	217603

Other Manufacturing Technology

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	201	0	363	0	8448	0	974	0	8231
2000000000	0	14	0	16	0	4181	0	566	0	8253
2710003070	0	0	0	0	0	6	0	0	0	0
8428900010	0	0	0	0	3	39	32	538	1	46
8431390080	0	0	0	9	0	2199	0	116	0	1371
8456101010	0	0	0	0	0	0	0	0	12	1527
101020	0	0	0	0	0	0	0	0	14	908
105000	0	0	0	0	1	263	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	1	17
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	5	10	0	0	3	129
106010	0	0	0	0	7	878	1	93	7	426
106050	0	0	0	0	35	2927	0	0	38	2300
200005	0	0	0	0	0	0	0	0	3	1188
200015	0	0	0	0	3	29	0	0	1	196
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	0	0	0	0	0	0	14	1914
200055	0	0	0	0	0	0	0	0	7	404
200065	0	0	0	0	0	0	0	0	12	7640
300000	0	0	0	0	1	24	4	29	1	3
400000	0	0	0	0	0	0	0	0	5	8
510010	0	0	0	0	6	67	2	655	2	1815
510090	0	0	0	0	7	31	0	0	1	252
590000	0	0	0	0	10	226	26	132	3	480
800000	1	111	0	0	12	282	9	2094	53	2533
8479899040	0	0	0	0	4	44	0	0	4	285
908040	0	0	0	0	0	109	0	7	0	1110
8537100030	0	0	0	0	19	208	0	0	285	43
9024100000	0	0	0	0	0	29	0	5	0	72
9031100000	0	0	0	0	0	50	0	0	0	55
300000	0	0	0	0	0	0	0	0	0	132
9032810020	0	0	0	0	1	3	0	0	148	135
810060	0	0	4000	16	1	2	222	22	17	115

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
October 91

Metal Forming

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	2	438	0	0	0	0	0	0
8462100030	0	0	5	566	0	0	0	0	0	0
100050	4	90	26	3979	1	2	0	0	0	0
210080	0	0	18	1757	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	15	860	0	0	0	0	2	15
310080	0	0	2	91	0	0	0	0	0	0
390050	1	1755	8	352	0	0	0	0	0	0
410080	1	484	3	389	0	0	0	0	0	0
490050	11	67	0	0	0	0	0	0	17	190
910060	10	105	0	0	0	0	1	32	0	0
910090	19	23	17	578	0	0	1	9	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	1	497	0	0	0	0	0	0
990045	0	0	69	1626	0	0	0	0	0	0
990060	0	0	15	1118	0	0	1	5	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	2	60	0	0	0	0	0	0
300080	6	241	48	1519	1	12	0	0	0	0
900080	6	98	1	16	0	0	1	72	0	0
9800000002	2	10	2	44	0	0	0	0	1	13
9900000002	5	14	216	36	0	0	0	0	8	2
Month Tot	65	2888	450	13926	2	14	4	118	28	220
Y-T-D Tot	1385	29476	3618	177982	36	536	5	418	762	2867
NC YTD Tot	38	3091	362	30223	0	0	1	32	0	0
C&F Month	2458	4900	5067	95041	1530	1865	119	1782	55	756
C&F Y-T-D	29210	72001	52129	829896	18782	16538	935	11178	2317	17568
C&F NC YTD	138	25451	4822	584596	130	8927	138	6382	150	1209

Other Manufacturing Technology

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	1144	0	14595	0	166	0	74	0	56
2000000000	0	595	0	7363	0	82	0	4	0	25
2710003070	0	0	0	28	0	0	0	0	0	0
8428900010	0	0	57	865	0	0	0	0	1	72
8431390080	0	102	0	747	0	88	0	0	0	0
8456101010	0	0	10	2086	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	1	5	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	1	76	27	2944	0	0	1	15	0	0
106050	1	60	60	6801	2	100	0	0	0	0
200005	1	632	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	0	0	0	0	0	0	0	0
200055	0	0	2	168	0	0	0	0	0	0
200065	0	0	0	0	0	0	0	0	0	0
300000	0	0	9	1115	0	0	0	0	0	0
400000	0	0	6	268	0	0	0	0	0	0
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	3	1512	0	0	0	0	0	0
590000	0	0	7	627	0	0	0	0	0	0
800000	18	178	56	568	0	0	0	0	0	0
8479899040	0	0	252	10863	0	0	7	45	0	0
908040	0	53	0	1032	0	0	0	0	0	0
8537100030	10	116	640	2657	0	0	0	0	0	0
9024100000	0	9	0	57	0	0	0	0	0	0
9031100000	0	4	0	1883	0	0	0	0	0	0
300000	0	0	0	177	0	0	0	0	0	0
9032810020	0	0	0	0	2250	15	0	0	0	0
810060	0	0	70	19	0	0	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
October 91

Metal Forming

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	1	2	0	0	0	0	0	0
100050	0	0	1	103	3	20	8	63	0	0
210080	0	0	0	0	1	8	0	0	1	67
290030	0	0	0	0	3	20	0	0	0	0
290040	3	104	0	0	2	19	0	0	0	0
290050	6	153	0	0	0	0	0	0	6	459
310080	0	0	1	249	0	0	5	729	0	0
390050	0	0	0	0	0	0	1	5	2	29
410080	0	0	2	493	1	60	0	0	1	484
490050	0	0	2	12	2	175	1	12	1	9
910060	3	302	0	0	0	0	0	0	0	0
910090	0	0	0	0	61	24	1	38	32	24
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	0	0	0	0
990060	21	70	10	48	2	55	0	0	4	148
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	9	96	0	0	0	0
300080	1	65	1	647	0	0	4	16	7	426
900080	0	0	16	139	1	3	10	96	0	0
9800000002	5	64	0	0	0	0	37	639	21	156
9900000002	0	0	74	121	422	207	11	14	136	48
Month Tot	39	758	108	1814	507	685	78	1611	211	1850
Y-T-D Tot	201	9279	928	17725	5972	6139	1849	14470	3269	21335
NC YTD Tot	16	2184	13	1693	7	116	15	2411	36	7355
C&F Month	125	1953	273	8548	70237	11360	441	8087	15144	8508
C&F Y-T-D	2398	24066	2029	82724	508487	97125	4401	79343	124669	79839
C&F NC YTD	29	9016	249	34446	747	25622	333	37400	608	27305

Other Manufacturing Technology

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	864	0	2840	0	2364	0	2898	0	4460
2000000000	0	25	0	327	0	405	0	1116	0	1367
2710003070	0	0	0	2	0	0	0	0	0	0
8428900010	4	207	0	0	0	0	1	113	3	277
8431390080	0	204	0	304	0	41	0	796	0	1344
8456101010	0	0	2	559	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	114	14	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	1	20	0	0	90	42
106010	0	0	0	0	1	118	0	0	9	468
106050	0	0	1	160	6	97	0	0	2	20
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	2	60
200035	0	0	0	0	1	32	3	187	1	4
200045	0	0	0	0	0	0	1	193	0	0
200055	0	0	0	0	0	0	0	0	0	0
200065	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	2	31	1	164	13	84
400000	0	0	0	0	0	0	0	0	0	0
510010	0	0	0	0	0	0	0	0	5	6
510090	0	0	0	0	0	0	2	184	2	308
590000	0	0	0	0	9	198	5	76	9	136
800000	1	16	0	0	15	221	8	229	51	1080
8479899040	5	259	3	203	14	55	0	0	23	184
908040	0	120	0	11	0	9	0	126	0	194
8537100030	0	0	0	0	0	0	3	73	0	0
9024100000	0	7	0	75	0	0	0	211	0	50
9031100000	0	0	0	0	0	0	0	18	0	0
300000	0	0	0	2	0	3	0	104	0	0
9032810020	0	0	225	12	0	0	201	4	3128	174
810060	665	127	38	2	0	0	16	5	5721	75

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
October 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	154	487	6	397	160	884
Bulgaria	6	36	0	0	6	36
Czechoslovakia	9	190	0	0	9	190
Denmark	37	150	34	35	71	185
Finland	67	63	2	487	69	550
Hungary	1	14	3	365	4	379
Ireland	1	46	0	0	1	46
Luxembourg	0	0	0	0	0	0
Netherlands	3	111	20	142	23	254
Norway	0	0	0	0	0	0
Poland	41	461	0	0	41	461
Portugal	0	0	0	0	0	0
Romania	0	0	60	11	60	11
USSR	5	132	0	0	5	132
Yugoslavia	19	353	0	0	19	353
Oth Europe	10	24	2	95	12	119
TOTAL	4410	36115	612	17478	5022	53593
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	293	268	1	12	294	280
Oth N & C Am.	0	0	0	0	0	0
TOTAL	580	1164	157	2236	737	3399
SOUTH AMERICA						
Argentina	0	0	0	0	0	0
Chile	0	0	0	0	0	0
Colombia	0	0	4	6	4	6
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	2	5	1	13	3	18
Oth South Am.	0	0	0	0	0	0
TOTAL	50	463	5	19	55	483
OCEANIA						
Australia	1	96	1	65	2	161
New Zealand	1	7	0	0	1	7
Oth Oceania	0	0	0	0	0	0
TOTAL	2	103	1	65	3	167

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
October 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	14195	2678	75	192	14270	2870
Hong Kong	10	6	0	0	10	6
India	17	131	0	0	17	131
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	3	236	2	29	5	265
Malaysia	18	13	0	0	18	13
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	39	1149	0	0	39	1149
Oth Asia	0	0	0	0	0	0
TOTAL	90272	99518	1040	14964	91312	114482
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Oth Africa	1	2	0	0	1	2
TOTAL	1	2	0	0	1	2

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.

A3177-3

AMT
The Association For
Manufacturing Technology
Founded 1902 as National Machine Tool Builders' Association

Direct Dial: (703) 827-5260

STATISTICAL

No. 10-92 January 29, 1992

U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY – NOVEMBER 1991

(Values in Millions of U.S. Dollars)

	Nov. 1991	Oct. 1991	Average Aug-Oct.	Year to Date '91	Year to Date '90	% Change YTD '90-'91
METAL CUTTING MACHINE TOOLS						
Exports	$ 43.1	$ 47.5	$ 45.8	$ 543.7	$ 550.7	(1.3%)
Imports	$126.7	$137.4	$132.5	$1,501.6	$1,634.2	(8.1%)
Balance	($ 83.6)	($ 89.9)	($ 86.7)	($ 957.9)	($1,083.5)	(11.6%)
METAL FORMING MACHINE TOOLS						
Exports	$ 34.8	$ 38.7	$ 39.1	$ 430.9	$ 419.5	2.7%
Imports	$ 26.0	$ 34.8	$ 32.7	$ 450.2	$ 482.8	(6.8%)
Balance	$ 8.8	$ 3.9	$ 6.4	($ 19.3)	($ 63.3)	(69.5%)
MACHINE TOOL TOTAL						
Exports	$ 78.0	$ 86.1	$ 84.9	$ 974.5	$ 970.2	0.4%
Imports	$152.7	$172.1	$165.2	$1,951.9	$2,117.0	(7.8%)
Balance	($ 74.7)	($ 86.0)	($ 80.3)	($ 977.4)	($1,146.8)	(14.8%)
NUMERICALLY CONTROLLED MACHINE TOOLS						
Exports	$ 21.9	$ 18.4	$ 19.7	$ 276.7	$ 315.0	(12.2%)
Imports	$ 92.2	$102.1	$ 96.9	$1,089.0	$1,115.2	(2.3%)
Balance	($ 70.3)	($ 83.7)	($ 77.2)	($ 812.3)	($ 800.2)	1.5%
OTHER MANUFACTURING TECHNOLOGY						
Exports	$145.0	$159.7	$140.3	$1,549.8	$1,671.0	(7.3%)
Imports	$144.5	$154.5	$150.4	$1,798.2	$1,784.5	0.8%
Balance	$ 0.5	$ 5.2	($ 10.1)	($ 248.4)	($ 113.5)	118.9%

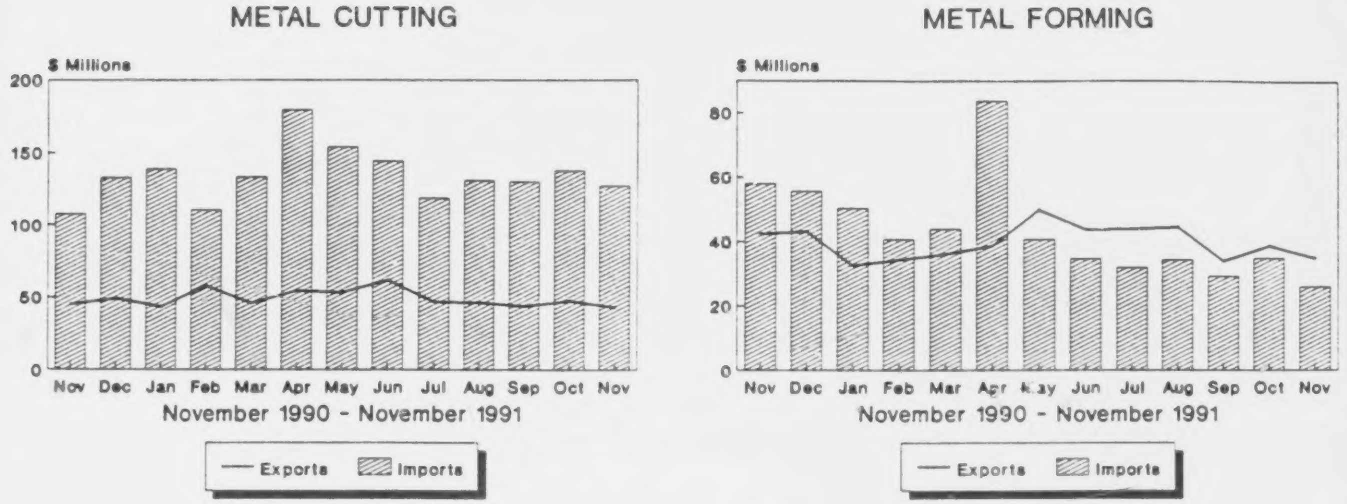
Note: Numerically controlled machine tools is a subgroup of the machine tool total. ( ) denotes negative. Individual items may not add up to totals due to rounding.

- U.S. machine tool exports in November fell 9% from October to $78.0 million, the third lowest total of the year. Year-to-date exports of $974.5 million are up a fraction over last year.

- Imports in November of $152.7 million, down 11% from October, were also the third lowest monthly total of the year. Year-to-date imports of $2.0 billion are down 8% from 1990.

- In November, metal forming exports exceeded imports for the seventh straight month. The trade deficit in metal forming machines in 1991 through November is down 70% from last year to $19.3 million.

U.S. MONTHLY TRADE IN MACHINE TOOLS



METAL CUTTING MACHINE TOOLS

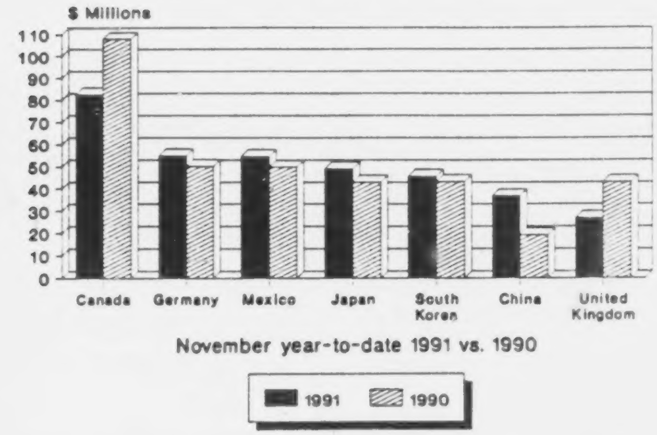
Exports

- Metal cutting machine tool exports in November totalled $43.1 million, the lowest monthly total in two years. Year-to-date exports are down 1% from last year at $543.7 million.

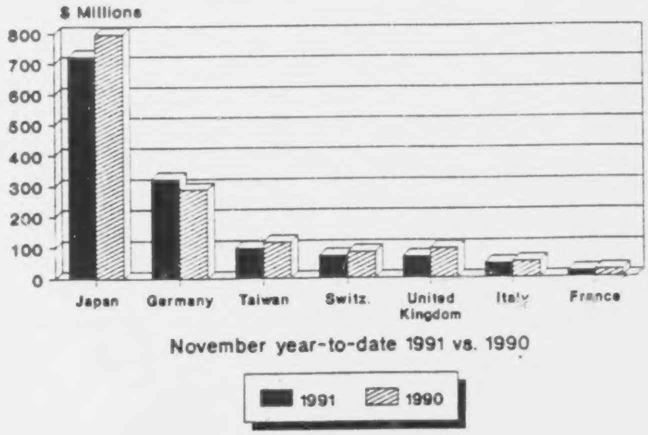
- Canada remains by far the top metal cutting export market so far this year at $82.6 million, down 23% from last year. Year-to-date exports are also down for the United Kingdom ($27.0 million, down 37%), Italy ($13.1 million, down 23%), India ($12.3 million, down 37%) and Brazil ($11.0 million, down 30%).

- In 1991 through November, exports of drilling machines are up 25% to $21.4 million; exports of station type machines are up 15% to $47.8 million. Exports of machining centers are down 9% to $48.5 million.

LEADING U.S. EXPORT MARKETS
METAL CUTTING MACHINES



LEADING U.S. IMPORT SOURCES
METAL CUTTING MACHINES



Imports

- Imports of metal cutting machines in 1991 through November are $1.5 billion, down 8% from 1990. Imports in November ($126.7 million) were down 8% from October.

- Year-to-date imports from Japan are down 9% to $722.7 million; Japan accounts for 48% of total U.S. metal cutting imports so far this year. Imports from Germany ($321.8 million, up 12%) account for 21% of total metal cutting imports.

- Imports of NC horizontal lathes in 1991 through November are down 16% to $233.4 million; imports of machining centers are up 2% to $377.7 million. Together, these two categories account for 41% of U.S. metal cutting imports so far in 1991.

METAL FORMING MACHINE TOOLS

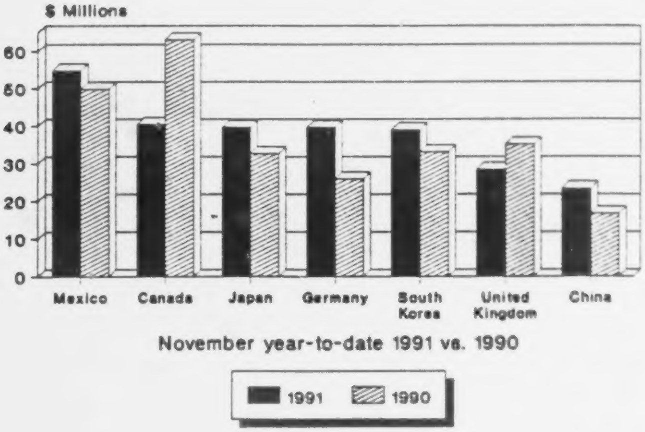
Exports

- Exports of metal forming machines fell 10% in November to $34.8 million. Year-to-date exports of $430.9 million are up 3% over last year.

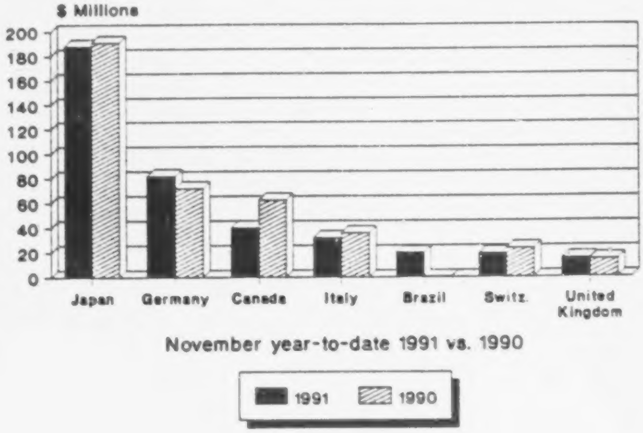
- Exports of presses are $78.6 million in 1991 through November, down 13% from 1990. Year-to-date exports of bending & forming machines ($62.9 million) are down 4% from 1990.

- In November, for the second straight month, South Korea was the top U.S. metal forming export market at $7.1 million. Year-to-date exports to South Korea are now $39.0 million, up 18% over 1990. The top year-to-date export market is Mexico at $54.7 million, up 10% from last year, followed by Canada ($40.4 million) and Japan ($39.6 million).

LEADING U.S. EXPORT MARKETS
METAL FORMING MACHINES



LEADING U.S. IMPORT SOURCES
METAL FORMING MACHINES



Imports

- U.S. imports of metal forming machines plunged in November to $26.0 million, the lowest monthly total since October 1985.

- Imports of presses in 1991 through November are up 25% to $131.6 million; imports for all other major categories of metal forming machines are down.

- Japan is the top supplier of metal forming machines in 1991 through November at $188.2 million, equal to 42% of total U.S. metal forming imports. Germany follows at $82.2 million, equal to 18% of the total.

OTHER MANUFACTURING TECHNOLOGY

Exports

- Year-to-date exports of injection molding machines are $72.4 million; exports of extruders are $50.6 million. The comparable figures for 1990: $65.9 million and $55.0 million, respectively. Year-to-date exports of numerical controls for controlling machine tools are $20.9 million, compared to $27.2 million in 1990.

- Exports of machine tool parts and accessories are $619.0 million in 1991 through November. The top markets in November: Canada ($9.9 million), Japan ($8.5 million), Germany ($7.8 million), and the United Kingdom ($6.0 million).

Imports

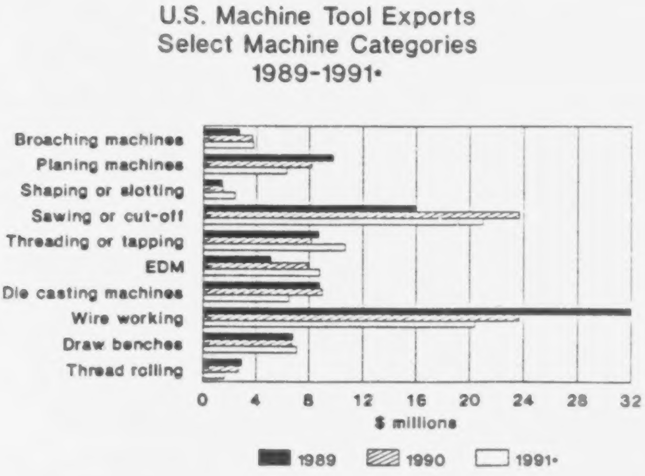
- Year-to-date imports of machine tool parts and accessories are $509.2 million, down from $513.3 million in 1990 at this time. Year-to-date imports of numerical controls for controlling machine tools are $30.7 million, down from $42.7 million in 1990 at this time.

- Imports of industrial robots in November were $9.6 million, for a year-to-date total of $158.0 million. The 1991 total is 48% higher than the comparable figure for 1990.

MONTHLY FOCUS

The "major" categories of machine tools are machines such as lathes, grinding machines, drilling machines, milling machines and machining centers. However, other types of machine tools account for significant portions of U.S. machine tool imports and exports. In 1991 through November, for example, imports of electrical discharge machines ($73.5 million) and wire working machines ($49.8 million) exceed imports of drilling machines, gear cutting machines, and NC vertical lathes.

The chart below details U.S. exports of some of the less "well-known" types of machine tools since 1989. Exports of shaping or slotting machines are on an upward trend, as are exports of EDMs and threading or tapping machines. Exports of wire working machines were $31.9 million in 1989, but are $20.4 million in 1991 through November.



U.S. Machine Tool Exports
Select Machine Categories
1989-1991•

• January-November 1991 only
Source: U.S. Bureau of the Census

1991 EXPORTS

METAL CUTTING

COUNTRY	NOVEMBER	OCTOBER	% CHANGE	NOV'91 YTD	NOV'90 YTD	% CHANGE
Canada	$6,042,193	$7,374,646	-18.1%	$82,642,854	$107,913,036	-23.4%
Germany	4,644,713	6,500,267	-28.5%	55,003,006	50,247,307	9.5%
Mexico	6,673,850	5,308,815	25.7%	54,734,228	49,776,840	10.0%
Japan	2,150,354	2,755,083	-21.9%	49,156,497	43,056,736	14.2%
South Korea	1,933,290	5,261,686	-63.3%	45,671,370	43,225,546	5.7%
China	5,643,634	6,268,292	-10.0%	36,833,399	19,191,698	91.9%
United Kingdom	1,676,553	1,581,106	6.0%	26,950,361	43,109,718	-37.5%
USSR	1,399,316	0	NA	19,325,562	7,861,503	145.8%
France	170,031	4,334,081	-96.1%	16,561,683	8,467,086	95.6%
Italy	2,697,875	87,599	2979.8%	13,081,854	17,089,561	-23.5%
India	984,421	579,498	69.9%	12,324,466	19,607,316	-37.1%
Brazil	596,559	285,530	108.9%	10,992,890	15,600,115	-29.5%
Venezuela	868,455	819,495	6.0%	10,229,460	6,849,596	49.3%
Taiwan	297,583	452,973	-34.3%	10,100,044	10,914,524	-7.5%
Belgium	298,900	424,219	-29.5%	10,072,409	18,599,198	-45.8%
Singapore	470,527	628,420	-25.1%	7,826,981	8,139,013	-3.8%
Switzerland	643,990	232,342	177.2%	5,134,956	5,254,743	-2.3%
Indonesia	32,047	46,635	-31.3%	4,777,098	345,299	1283.5%
Spain	2,158,026	874,765	146.7%	4,293,381	5,712,682	-24.8%
Netherlands	32,989	145,883	-77.4%	4,278,771	5,979,357	-28.4%
Australia	74,546	608,723	-87.8%	4,061,549	15,126,996	-73.2%
Malaysia	57,013	16,247	250.9%	2,989,080	2,333,194	28.1%
Thailand	35,240	68,394	-48.5%	2,209,415	2,173,070	1.7%
Austria	28,245	26,000	8.6%	811,747	262,817	208.9%

METAL FORMING

COUNTRY	NOVEMBER	OCTOBER	% CHANGE	NOV'91 YTD	NOV'90 YTD	% CHANGE
Mexico	$5,097,959	$5,149,768	-1.0%	$54,738,813	$49,773,267	10.0%
Canada	3,613,634	2,337,110	54.6%	40,390,451	63,117,830	-36.0%
Japan	2,725,207	6,626,124	-58.9%	39,630,398	32,612,630	21.5%
Germany	2,724,441	3,382,871	-19.5%	39,611,183	25,907,698	52.9%
South Korea	7,100,511	8,460,070	-16.1%	38,976,836	33,025,124	18.0%
United Kingdom	552,777	1,585,330	-65.1%	28,352,716	35,159,161	-19.4%
China	1,398,865	978,364	43.0%	23,327,934	16,674,090	39.9%
France	394,473	1,279,474	-69.2%	21,908,478	18,293,258	19.8%
Italy	168,876	233,938	-27.8%	10,029,932	8,233,689	21.8%
Thailand	1,392,359	951,456	46.3%	9,720,030	4,286,902	126.7%
Australia	100,818	315,232	-68.0%	9,585,874	6,178,188	55.2%
Taiwan	856,611	741,886	15.5%	9,237,729	16,851,701	-45.2%
Netherlands	262,691	87,454	200.4%	9,122,029	8,815,926	3.5%
Brazil	32,662	2,213,598	-98.5%	7,881,895	9,233,701	-14.6%
Singapore	91,885	286,364	-67.9%	5,986,899	5,555,218	7.8%
Indonesia	460,499	959,845	-52.0%	5,443,833	6,740,737	-19.2%
Belgium	2,135,588	137,393	1454.4%	5,170,974	2,599,393	98.9%
Spain	8,648	394,045	-97.8%	4,744,521	5,561,011	-14.7%
Venezuela	739,011	200,929	267.8%	2,958,233	2,010,906	47.1%
Switzerland	182,805	286,447	-36.2%	2,690,087	2,111,059	27.4%
Malaysia	17,855	179,583	-90.1%	1,423,666	4,497,737	-68.3%
India	69,360	79,796	-13.1%	1,071,158	6,567,583	-83.7%
Austria	2,782	49,800	-94.4%	431,350	2,427,976	-82.2%
USSR	58,182	0	NA	181,066	732,665	-75.3%

MACHINE TOOL TOTAL

COUNTRY	NOVEMBER	OCTOBER	% CHANGE	NOV'91 YTD	NOV'90 YTD	% CHANGE
Canada	$ 9,655,827	$ 9,711,756	-0.6%	$123,033,305	$171,030,866	-28.1%
Mexico	11,771,809	10,458,583	12.6%	109,473,041	99,550,107	10.0%
Germany	7,369,154	9,883,138	-25.4%	94,614,189	76,155,005	24.2%
Japan	4,875,561	9,381,207	-48.0%	88,786,895	75,669,366	17.3%
South Korea	9,033,801	13,721,756	-34.2%	84,648,206	76,250,670	11.0%
China	7,042,499	7,246,656	-2.8%	60,161,333	35,865,788	67.7%
United Kingdom	2,229,330	3,166,436	-29.6%	55,303,077	78,268,879	-29.3%
France	564,504	5,613,555	-89.9%	38,470,161	26,760,344	43.8%
Italy	2,866,751	321,537	791.6%	23,111,786	25,323,250	-8.7%
USSR	1,457,498	0	NA	19,506,628	8,594,168	127.0%
Taiwan	1,154,194	1,194,859	-3.4%	19,337,773	27,766,225	-30.4%
Brazil	629,221	2,499,128	-74.8%	18,874,785	24,833,816	-24.0%
Belgium	2,434,488	561,612	333.5%	15,243,383	21,198,591	-28.1%
Singapore	562,412	914,784	-38.5%	13,813,880	13,694,231	0.9%
Australia	175,364	923,955	-81.0%	13,647,423	21,305,184	-35.9%
Netherlands	295,680	233,337	26.7%	13,400,800	14,795,283	-9.4%
India	1,053,781	659,294	59.8%	13,395,624	26,174,899	-48.8%
Venezuela	1,607,466	1,020,424	57.5%	13,187,693	8,860,502	48.8%
Thailand	1,427,599	1,019,850	40.0%	11,929,445	6,459,972	84.7%
Indonesia	492,546	1,006,480	-51.1%	10,220,931	7,086,036	44.2%
Spain	2,166,674	1,268,810	70.8%	9,037,902	11,273,693	-19.8%
Switzerland	826,795	518,789	59.4%	7,825,043	7,365,802	6.2%
Malaysia	74,868	195,830	-61.8%	4,412,746	6,830,931	-35.4%
Austria	31,027	75,800	-59.1%	1,243,097	2,690,793	-53.8%

1991 IMPORTS

METAL CUTTING

COUNTRY	NOVEMBER	OCTOBER	% CHANGE	NOV'91 YTD	NOV'90 YTD	% CHANGE
Japan	$70,829,888	$81,114,311	-12.7%	$722,743,597	$795,365,671	-9.1%
Germany	18,614,952	15,171,967	22.7%	321,766,817	287,127,630	12.1%
Taiwan	6,587,684	10,674,787	-38.3%	97,573,345	116,925,197	-16.6%
Switzerland	8,157,318	6,734,375	21.1%	73,156,545	84,203,115	-13.1%
United Kingdom	3,390,960	6,476,164	-47.6%	68,264,272	95,747,411	-28.7%
Italy	3,716,725	2,012,195	84.7%	46,241,784	50,803,994	-9.0%
France	631,529	1,779,377	-64.5%	18,482,046	22,586,057	-18.2%
South Korea	1,434,671	1,850,690	-22.5%	17,436,005	17,072,503	2.1%
Canada	1,974,737	895,315	120.6%	16,580,796	19,946,034	-16.9%
Sweden	1,416,031	1,194,577	18.5%	16,203,632	15,919,591	1.8%
Spain	1,153,598	535,317	115.5%	15,854,212	24,298,495	-34.8%
Singapore	1,270,367	1,664,363	-23.7%	12,030,450	17,719,830	-32.1%
Brazil	399,648	458,322	-12.8%	7,886,894	12,276,555	-35.8%
Belgium	14,399	144,477	-90.0%	1,843,433	1,670,269	10.4%

METAL FORMING

COUNTRY	NOVEMBER	OCTOBER	% CHANGE	NOV'91 YTD	NOV'90 YTD	% CHANGE
Japan	$10,188,048	$13,926,257	-26.8%	$188,170,386	$190,906,550	-1.4%
Germany	5,317,209	7,965,094	-33.2%	82,184,456	72,031,864	14.1%
Canada	3,202,461	2,224,303	44.0%	40,169,766	62,684,233	-35.9%
Italy	2,466,824	2,888,087	-14.6%	31,942,489	35,639,709	-10.4%
Brazil	0	0	NA	19,759,871	202,406	NA
Switzerland	1,139,191	1,813,596	-37.2%	18,863,818	23,123,377	-18.4%
United Kingdom	787,457	1,611,265	-51.1%	15,257,158	14,432,693	5.7%
Sweden	556,692	758,496	-26.6%	9,835,424	31,490,816	-68.8%
Belgium	547,874	383,788	42.8%	8,549,868	20,015,013	-57.3%
Taiwan	472,807	685,434	-31.0%	6,611,748	8,406,192	-21.3%
Spain	218,269	220,353	-0.9%	3,085,343	3,981,175	-22.5%
France	107,572	304,847	-64.7%	2,514,918	3,383,738	-25.7%
South Korea	5,250	13,980	-62.4%	541,725	638,547	-15.2%
Singapore	0	117,501	-100.0%	417,755	174,645	139.2%

MACHINE TOOL TOTAL

COUNTRY	NOVEMBER	OCTOBER	% CHANGE	NOV'91 YTD	NOV'90 YTD	% CHANGE
Japan	$81,017,936	$95,040,568	-14.8%	$910,913,983	$986,272,221	-7.6%
Germany	23,932,161	23,137,061	3.4%	403,951,273	359,159,494	12.5%
Taiwan	7,060,491	11,360,221	-37.8%	104,185,093	125,331,389	-16.9%
Switzerland	9,296,509	8,547,971	8.8%	92,020,363	107,326,492	-14.3%
United Kingdom	4,178,417	8,087,429	-48.3%	83,521,430	110,180,104	-24.2%
Italy	6,183,549	4,900,282	26.2%	78,184,273	86,443,703	-9.6%
Canada	5,177,198	3,119,618	66.0%	56,750,562	82,630,267	-31.3%
Brazil	399,648	458,322	-12.8%	27,646,765	12,478,961	121.5%
Sweden	1,972,723	1,953,073	1.0%	26,039,056	47,410,407	-45.1%
France	739,101	2,084,224	-64.5%	20,996,964	25,969,795	-19.1%
Spain	1,371,867	755,670	81.5%	18,939,555	28,279,670	-33.0%
South Korea	1,439,921	1,864,670	-22.8%	17,977,730	17,711,050	1.5%
Singapore	1,270,367	1,781,864	-28.7%	12,448,205	17,894,475	-30.4%
Belgium	562,273	528,265	6.4%	10,393,301	21,685,282	-52.1%

1991 U.S. EXPORTS
BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1991		FEBRUARY 1991		MARCH 1991		APRIL 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	5,350	$13,231,937	5,314	$9,384,660	5,918	$12,359,757	5,272	$15,333,596
Boring machines	8	572,189	8	2,689,884	7	490,980	10	781,577
Drilling machines	104	2,125,292	72	2,302,444	98	2,731,002	94	1,177,353
Gear cutting machines	14	7,378,919	23	3,441,470	16	3,898,627	22	6,720,535
Grinding machines	244	5,937,543	272	10,254,977	275	8,387,839	313	11,543,197
NC horizontal lathes	15	2,388,500	33	3,043,968	29	3,419,112	38	4,707,962
NC vertical lathes	1	161,310	2	341,835	6	371,174	1	89,700
Non-NC lathes	37	817,093	46	1,273,108	34	912,266	64	1,399,820
Milling machines	21	1,285,651	27	1,256,940	56	1,629,636	35	6,730,275
Machining centers	18	2,251,834	27	4,699,366	21	6,179,301	33	5,723,799
Station type machines	7	6,763,963	10	16,280,662	3	3,750,445	0	0
Other metal cutting machines	223	7,078,662	278	7,046,503	322	7,317,458	266	6,517,985
Punching & shearing machines	108	4,513,331	79	5,456,279	85	4,584,562	157	4,594,728
Bending & forming machines	116	4,251,882	102	6,952,107	119	7,232,573	120	4,830,552
Presses	293	7,418,063	96	5,734,227	128	4,847,879	168	7,262,958
Forging machines	11	2,746,151	19	5,146,204	21	4,124,370	11	868,133
Other metal forming machines	231	7,030,224	185	7,182,512	193	9,543,993	308	14,549,088
MACHINE TOOL TOTAL	6,801	75,952,544	6,593	92,487,146	7,331	81,780,974	6,912	92,831,258

PRODUCT TYPES	MAY 1991		JUNE 1991		JULY 1991		AUGUST 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	5,847	$14,473,978	6,716	$15,068,308	5,909	$16,595,564	7,211	$21,518,830
Boring machines	9	811,684	29	2,458,144	53	1,485,134	21	1,762,000
Drilling machines	81	1,767,423	182	2,096,676	182	2,218,922	78	1,759,560
Gear cutting machines	39	6,598,232	42	10,858,258	11	4,027,477	7	2,476,528
Grinding machines	285	9,241,644	390	12,599,243	398	11,576,263	308	6,788,528
NC horizontal lathes	19	1,914,295	25	2,373,736	26	2,567,207	23	2,111,735
NC vertical lathes	9	592,211	2	108,000	4	269,504	1	22,000
Non-NC lathes	45	1,357,057	49	2,263,152	27	407,865	35	1,881,608
Milling machines	57	5,134,958	73	6,889,800	57	3,124,857	48	2,636,055
Machining centers	37	5,715,931	24	2,660,799	26	3,139,607	12	948,374
Station type machines	4	3,143,769	6	2,649,559	5	4,718,427	2	80,000
Other metal cutting machines	341	8,257,118	273	9,131,128	198	4,100,231	281	9,631,000
Punching & shearing machines	111	5,445,644	129	3,810,698	132	3,568,471	115	4,809,018
Bending & forming machines	108	5,331,914	257	9,068,216	169	6,262,244	176	6,665,618
Presses	96	6,098,800	210	6,552,960	199	11,252,200	126	7,336,120
Forging machines	40	4,435,634	40	5,388,723	57	8,447,700	38	9,086,436
Other metal forming machines	223	22,718,552	234	11,390,564	225	6,748,375	194	11,311,721
MACHINE TOOL TOTAL	7,351	103,038,844	8,681	105,367,964	7,678	90,510,048	8,676	90,825,131

1991 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	SEPTEMBER 1991		OCTOBER 1991		NOVEMBER 1991		NOVEMBER 1991 YTD	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	4,681	$13,799,781	4,312	$14,136,772	5,785	$13,836,478	62,315	$159,739,661
Boring machines	3	82,808	8	1,566,411	5	524,907	161	13,225,718
Drilling machines	72	1,649,843	98	1,189,185	90	2,392,865	1,151	21,410,565
Gear cutting machines	49	6,635,184	32	4,683,694	21	3,679,001	276	60,397,925
Grinding machines	233	5,137,364	252	8,200,926	288	8,309,567	3,258	97,977,091
NC horizontal lathes	22	2,547,345	36	4,088,207	25	4,655,517	291	33,817,584
NC vertical lathes	1	31,150	2	267,983	1	160,000	30	2,414,867
Non-NC lathes	49	1,621,326	52	1,694,551	54	1,088,404	492	14,716,250
Milling machines	16	363,774	103	2,701,167	40	1,717,381	533	33,470,494
Machining centers	37	9,299,241	20	4,843,346	17	3,051,498	272	48,513,096
Station type machines	15	1,103,920	33	6,066,181	14	3,259,172	99	47,816,098
Other metal cutting machines	215	6,841,529	233	6,192,397	248	5,153,383	2,878	77,267,394
Punching & shearing machines	117	3,929,919	120	2,900,772	80	4,425,479	1,233	48,038,901
Bending & forming machines	122	4,852,226	116	4,024,662	98	3,452,373	1,503	62,924,367
Presses	169	9,193,318	119	7,690,788	116	5,196,177	1,720	78,583,490
Forging machines	52	3,892,191	39	4,376,386	21	4,523,977	349	53,035,905
Other metal forming machines	171	6,665,077	315	11,517,430	316	12,529,463	2,595	121,186,999
MACHINE TOOL TOTAL	6,024	77,645,996	5,890	86,140,858	7,219	77,955,642	79,156	974,536,405

PRODUCT TYPES	NOVEMBER 1990		NOVEMBER 1990 YTD		% CHANGE OCT'91-NOV'91		% CHANGE NOV'90-NOV'91	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	4,220	$9,811,078	55,920	$144,319,673	34.2%	-2.1%	37.1%	41.0%
Boring machines	5	453,080	147	15,436,939	-37.5%	-66.5%	0.0%	15.9%
Drilling machines	59	1,220,482	930	17,068,157	-8.2%	101.2%	52.5%	96.1%
Gear cutting machines	24	4,326,960	232	52,445,405	-34.4%	-21.5%	-12.5%	-15.0%
Grinding machines	399	10,473,970	3,635	119,512,128	14.3%	1.3%	-27.8%	-20.7%
NC horizontal lathes	26	2,776,395	380	40,446,976	-30.6%	13.9%	-3.8%	67.7%
NC vertical lathes	2	287,836	64	12,052,640	-50.0%	-40.3%	-50.0%	-44.4%
Non-NC lathes	70	1,500,069	701	15,662,718	3.8%	-35.8%	-22.9%	-27.4%
Milling machines	21	1,976,806	406	34,008,916	-61.2%	-36.4%	90.5%	-13.1%
Machining centers	25	3,961,612	367	53,245,250	-15.0%	-37.0%	-32.0%	-23.0%
Station type machines	7	5,952,523	71	41,579,853	-57.6%	-46.3%	100.0%	-45.2%
Other metal cutting machines	395	6,820,575	3,793	71,793,150	6.4%	-16.8%	-37.2%	-24.4%
Punching & shearing machines	167	6,683,192	1,390	60,118,862	-33.3%	52.6%	-52.1%	-33.8%
Bending & forming machines	139	6,281,392	1,682	65,400,029	-15.5%	-14.2%	-29.5%	-45.0%
Presses	113	11,284,355	1,900	90,020,233	-2.5%	-32.4%	2.7%	-54.0%
Forging machines	18	3,400,845	335	44,177,705	-46.2%	3.4%	16.7%	33.0%
Other metal forming machines	232	9,985,194	2,812	92,927,762	0.3%	8.8%	36.2%	25.5%
MACHINE TOOL TOTAL	5,922	87,196,364	74,765	970,216,396	22.6%	-9.5%	21.9%	-10.6%

1991 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	% CHANGE YTD'90–YTD'91 Units	% CHANGE YTD'90–YTD'91 Value
Used & rebuilt & under $3,025	11.4%	10.7%
Boring machines	9.5%	-14.3%
Drilling machines	23.8%	25.4%
Gear cutting machines	19.0%	15.2%
Grinding machines	-10.4%	-18.0%
NC horizontal lathes	-23.4%	-16.4%
NC vertical lathes	-53.1%	-80.0%
Non-NC lathes	-29.8%	-6.0%
Milling machines	31.3%	-1.6%
Machining centers	-25.9%	-8.9%
Station type machines	39.4%	15.0%
Other metal cutting machines	-24.1%	7.6%
Punching & shearing machines	-11.3%	-20.1%
Bending & forming machines	-10.6%	-3.8%
Presses	-9.5%	-12.7%
Forging machines	4.2%	20.1%
Other metal forming machines	-7.7%	30.4%
MACHINE TOOL TOTAL	5.9%	0.4%

1991 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1991		FEBRUARY 1991		MARCH 1991		APRIL 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	71,667	$13,094,991	94,612	$15,968,463	63,827	$14,630,134	91,842	$16,332,717
Boring machines	75	3,212,626	65	3,295,233	55	6,672,018	47	5,623,400
Drilling machines	136	5,284,960	72	2,124,951	105	5,761,640	107	2,964,231
Gear cutting machines	34	7,247,022	30	2,608,872	12	3,256,264	23	6,619,154
Grinding machines	662	23,141,603	464	17,045,322	540	20,820,588	509	26,824,722
NC horizontal lathes	158	17,509,455	251	25,854,656	244	28,306,454	280	25,531,297
NC vertical lathes	9	1,367,349	15	2,253,656	9	2,973,011	15	3,573,928
Non-NC lathes	722	8,815,703	340	4,755,176	312	7,055,881	317	4,534,633
Milling machines	449	12,771,541	257	2,795,380	250	4,970,541	330	9,449,803
Machining centers	293	33,595,255	212	22,089,069	167	23,849,656	189	59,165,452
Station type machines	14	4,189,738	4	1,830,253	5	1,401,630	19	4,376,300
Other metal cutting machines	448	11,368,644	217	12,635,073	254	16,773,980	329	18,589,257
Punching & shearing machines	67	5,697,766	59	1,638,364	89	5,334,266	100	4,429,933
Bending & forming machines	189	6,557,096	183	8,695,550	147	8,228,937	122	3,949,688
Presses	72	16,236,188	317	9,033,944	163	8,995,976	85	51,444,817
Forging machines	59	5,028,586	47	2,528,010	51	5,954,214	44	6,285,995
Other metal forming machines	286	13,786,011	230	15,783,509	277	12,006,374	243	13,702,533
MACHINE TOOL TOTAL	75,340	188,904,534	97,375	150,935,481	66,507	176,991,564	94,601	263,397,860

PRODUCT TYPES	MAY 1991		JUNE 1991		JULY 1991		AUGUST 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	61,461	$13,487,177	60,137	$11,892,444	55,148	$13,352,862	74,318	$11,870,677
Boring machines	53	7,001,111	55	3,314,472	51	3,685,439	45	1,801,332
Drilling machines	79	6,287,879	146	3,825,684	73	2,839,334	86	2,335,487
Gear cutting machines	91	4,865,147	57	3,552,435	32	3,543,870	19	3,725,410
Grinding machines	515	14,511,571	382	13,752,180	468	18,779,695	386	21,596,437
NC horizontal lathes	197	20,692,781	196	20,231,721	199	18,351,920	227	23,514,958
NC vertical lathes	2	1,159,139	6	908,254	10	2,266,809	13	3,920,266
Non-NC lathes	442	10,258,079	402	8,630,438	555	6,940,660	308	4,206,757
Milling machines	226	5,441,990	328	6,999,359	374	6,736,063	292	4,643,995
Machining centers	199	40,498,256	231	62,377,569	249	23,528,172	204	28,546,978
Station type machines	16	13,375,688	8	1,595,456	8	8,078,447	16	13,974,758
Other metal cutting machines	252	18,837,312	314	9,426,321	298	12,496,402	289	12,912,572
Punching & shearing machines	109	4,442,498	74	5,337,144	106	5,805,391	84	4,603,173
Bending & forming machines	124	7,388,462	129	5,919,854	156	7,413,619	131	4,386,000
Presses	301	9,718,955	131	5,872,448	102	5,129,418	307	6,092,772
Forging machines	152	6,220,779	69	5,986,386	35	1,841,002	87	6,995,815
Other metal forming machines	172	10,036,703	180	9,024,713	194	9,644,967	131	9,510,828
MACHINE TOOL TOTAL	64,391	194,223,527	62,845	178,646,878	58,058	150,434,070	76,943	164,638,215

1991 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	SEPTEMBER 1991		OCTOBER 1991		NOVEMBER 1991		NOVEMBER 1991 YTD	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	68,503	$12,925,407	94,403	$14,087,197	111,175	$14,918,645	847,093	$152,560,714
Boring machines	64	4,555,634	66	6,256,498	31	5,254,256	607	50,672,019
Drilling machines	61	2,902,483	55	2,816,039	93	1,899,560	1,013	39,042,248
Gear cutting machines	11	1,036,962	28	4,458,812	16	1,227,250	353	42,141,198
Grinding machines	413	25,438,841	432	18,082,688	406	18,842,149	5,177	218,835,796
NC horizontal lathes	141	15,597,511	169	19,056,907	206	18,777,045	2,268	233,424,705
NC vertical lathes	11	3,650,775	10	4,071,036	5	1,848,978	105	27,993,201
Non-NC lathes	299	5,939,533	427	6,345,190	269	3,372,968	4,393	70,855,018
Milling machines	196	2,605,184	283	3,472,283	170	3,332,917	3,155	63,219,056
Machining centers	261	32,637,026	253	27,719,237	217	23,682,408	2,475	377,689,078
Station type machines	12	12,689,422	19	19,071,415	17	18,596,910	138	99,180,017
Other metal cutting machines	257	11,639,564	258	13,628,425	343	16,455,159	3,259	154,762,709
Punching & shearing machines	75	5,842,087	85	6,594,446	69	4,166,222	917	53,891,290
Bending & forming machines	121	6,484,435	116	4,516,959	131	6,756,793	1,549	70,297,393
Presses	601	4,173,370	307	9,947,795	95	4,932,849	2,481	131,578,532
Forging machines	19	5,358,263	62	6,036,144	58	2,484,812	683	54,720,006
Other metal forming machines	123	5,429,895	157	5,966,043	383	6,109,370	2,376	111,000,946
MACHINE TOOL TOTAL	71,168	158,906,392	97,130	172,127,114	113,684	152,658,291	878,042	1,951,863,926

PRODUCT TYPES	NOVEMBER 1990		NOVEMBER 1990 YTD		% CHANGE OCT'91-NOV'91		% CHANGE NOV'90-NOV'91	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	81,074	$10,309,845	890,606	$141,957,287	17.8%	5.9%	37.1%	44.7%
Boring machines	80	2,589,433	608	40,357,192	-53.0%	-16.0%	-61.3%	102.9%
Drilling machines	83	2,416,938	1,327	42,097,887	69.1%	-32.5%	12.0%	-21.4%
Gear cutting machines	40	3,791,633	473	50,181,916	-42.9%	-72.5%	-60.0%	-67.6%
Grinding machines	553	16,903,675	7,823	265,761,102	-6.0%	4.2%	-26.6%	11.5%
NC horizontal lathes	126	12,878,638	2,827	276,543,593	21.9%	-1.5%	63.5%	45.8%
NC vertical lathes	20	4,701,725	171	27,468,084	-50.0%	-54.6%	-75.0%	-60.7%
Non-NC lathes	671	7,463,658	7,664	106,529,324	-37.0%	-46.8%	-59.9%	-54.8%
Milling machines	432	6,210,377	4,955	78,414,144	-39.9%	-4.0%	-60.6%	-46.3%
Machining centers	168	23,710,026	2,807	370,390,364	-14.2%	-14.6%	29.2%	-0.1%
Station type machines	10	3,075,052	161	80,452,997	-10.5%	-2.5%	70.0%	504.8%
Other metal cutting machines	418	15,404,784	4,443	179,850,623	32.9%	20.7%	-17.9%	6.8%
Punching & shearing machines	148	10,520,914	1,562	73,258,093	-18.8%	-36.8%	-53.4%	-60.4%
Bending & forming machines	167	8,328,936	2,034	87,356,634	12.9%	49.6%	-21.6%	-18.9%
Presses	103	18,034,029	3,356	104,986,851	-69.1%	-50.4%	-7.8%	-72.6%
Forging machines	68	3,402,818	908	57,285,295	-6.5%	-58.8%	-14.7%	-27.0%
Other metal forming machines	214	15,792,641	2,534	134,088,174	143.9%	2.4%	79.0%	-61.3%
MACHINE TOOL TOTAL	84,375	165,535,122	934,259	2,116,979,560	17.0%	-11.3%	34.7%	-7.8%

1991 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	% CHANGE YTD'90–YTD'91 Units	Value
Used & rebuilt & under $3,025	-4.9%	7.5%
Boring machines	-0.2%	25.6%
Drilling machines	-23.7%	-7.3%
Gear cutting machines	-25.4%	-16.0%
Grinding machines	-33.8%	-17.7%
NC horizontal lathes	-19.8%	-15.6%
NC vertical lathes	-38.6%	1.9%
Non-NC lathes	-42.7%	-33.5%
Milling machines	-36.3%	-19.4%
Machining centers	-11.8%	2.0%
Station type machines	-14.3%	23.3%
Other metal cutting machines	-26.6%	-13.9%
Punching & shearing machines	-41.3%	-26.4%
Bending & forming machines	-23.8%	-19.5%
Presses	-26.1%	25.3%
Forging machines	-24.8%	-4.5%
Other metal forming machines	-6.2%	-17.2%
MACHINE TOOL TOTAL	-6.0%	-7.8%

U.S. EXPORTS
Metal Cutting Machine Tools - November 91

RELEASED: January 29, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	127	8849	12	739
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	70	11942	3	510
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	19	4652	0	0
100035	Horizontal machining centers, ATC	45	16054	3	1087
100045	Machining centers, n.e.c.	138	15866	11	1455
200010	Unit construction mach. (single station transfer), NC	7	3404	1	1069
200090	Unit construction mach. (single station transfer), non-NC	13	3090	0	0
300010	Multi-station transfer machines, NC	8	14559	0	0
300090	Multi-station transfer machines, non-NC	67	26507	13	2190
8458110010	Horizontal lathes, multiple spindle, NC	41	5559	8	1142
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	188	16478	8	765
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	31	5133	2	413
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	31	6647	7	2335
190030	Horizontal engine or toolroom lathes, non-NC	37	589	4	55
190050	Automatic bar and/or chucking mach., single spindle, non-NC	19	309	0	0
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	49	3266	1	207
190090	Horizontal lathes, n.e.c., non-NC	291	6963	46	772
911060	Vertical turret lathes, multiple spindle, NC	1	45	0	0
911080	Vertical turret lathes, n.e.c., NC	3	644	1	160
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	26	1726	0	0
991050	Vertical turret lathes, non-NC	28	1007	0	0
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	68	2583	3	55
8459100000	Way-type unit head machines	4	257	0	0
210080	Other drilling machines, NC	168	12845	16	1537
290040	Drilling machines, multiple spindle, non-NC	3	380	0	0
290050	Drilling machines, radial, non-NC	31	940	7	350
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	28	982	0	0
290090	Drilling machines, n.e.c., non-NC	921	6262	67	506
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	2	1280	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	7	4062	0	0
310070	Boring-milling machines, n.e.c., NC	23	1572	3	295
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	4	253	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	15	357	0	0
400040	Boring machines, vertical, NC	7	670	1	199
400050	Boring machines, vertical, non-NC	32	1582	1	31
400070	Boring machines, n.e.c., NC	1	148	0	0
400080	Boring machines, n.e.c., non-NC	70	3302	0	0
510080	Milling machines, knee type, NC	24	1773	2	63
590030	Milling machines, knee type, non-NC	95	3553	4	221
610080	Milling machines, excluding knee type, n.e.c., NC	65	18295	12	1050
690050	Milling machines, profile, dup., or die sinking, non-NC	5	34	0	0
690070	Milling machines, bed type, non-NC	2	69	1	33
690090	Milling machines, n.e.c., non-NC	342	9746	21	351
700020	Threading or tapping machines, n.e.c., NC	59	2360	6	149
700080	Threading or tapping machines, n.e.c., non-NC	252	8324	43	1719
8460110080	Flat surface grinding machines, NC	69	4649	20	695
190010	Flat surface grinding mach., recip.-table type, non-NC	63	871	3	27
190050	Flat surface grinding machines, n.e.c., non-NC	34	4577	4	913
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	108	34377	8	2135
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	33	5094	2	227
290030	Grinding machines, internal cylindrical, non-NC	32	3657	15	726
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	342	10857	11	271
310080	Sharpening machines (tool & cutter grinding), NC	27	1987	1	35
390050	Sharpening machines (tool & cutter grinding), non-NC	810	7729	31	1094
400060	Honing or lapping machines, NC	13	974	3	110
400080	Honing or lapping machines, non-NC	470	6943	17	252
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	10	1217	3	105
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	1247	15046	170	1719
8461100060	Planing machines, NC	2	219	0	0
100080	Planing machines, non-NC	165	6110	12	283
200010	Shaping or slotting machines, NC	17	1633	0	0
200090	Shaping or slotting machines, non-NC	29	756	0	0
300060	Broaching machines, NC	9	1196	0	0
300080	Broaching machines, non-NC	41	2617	0	0
401050	Gear hobbers	74	6593	1	34
401070	Gear shapers	13	1445	3	182
401090	Gear cutting machines, n.e.c.	94	43221	8	3352
405060	Gear grinding or finishing machines	95	9139	9	111
500050	Sawing or cutting-off machines, NC	105	5426	9	266
500090	Sawing or cutting-off machines, non-NC	1255	15541	82	1118
9000000001	Metal cutting machine tools, n.e.c.	817	24237	84	879
9800000001	Used or rebuilt machine tools	6387	70042	547	6692
9900000001	Machine tools valued at less than $3,025	38734	22599	4020	2465
	Cutting Total			5370	43149
	Y-T-D Cutting Total	54562	543668		
	NC Y-T-D Cutting Total*	1628	217721		

Please see notes on last page
of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - November 91

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	1	220
100045	0	0	0	0	0	0	0	0	2	333
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	1	120
8458110010	0	0	0	0	0	0	0	0	3	742
110030	0	0	0	0	0	0	0	0	1	74
110050	0	0	0	0	0	0	0	0	1	308
110090	0	0	0	0	0	0	0	0	2	311
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	1	207
190090	0	0	0	0	0	0	26	309	6	56
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	5	23	24	105
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	1	31
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	2	63
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	4	788
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	3	47
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	1	73	0	0	2	8
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	1	10
190050	0	0	0	0	0	0	0	0	1	84
210080	0	0	0	0	0	0	0	0	2	310
290010	0	0	0	0	0	0	0	0	1	21
290030	0	0	0	0	1	144	0	0	0	0
290050	0	0	0	0	0	0	0	0	3	26
310080	0	0	0	0	0	0	0	0	1	35
390050	0	0	0	0	0	0	5	33	12	97
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	2	11
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	1	6	0	0	3	36	34	411
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	1	39	0	0
500050	0	0	0	0	0	0	0	0	7	171
500090	0	0	0	0	0	0	1	20	18	122
9000000001	1	3	0	0	0	0	9	104	13	112
9800000001	1	3	0	0	1	15	0	0	62	917
9900000001	97	68	38	22	39	67	329	34	291	301
Month Tot	99	75	39	28	42	299	379	597	502	6042
Y-T-D Tot	949	4062	115	812	976	10072	1356	10993	5329	82643
NC YTD Tot*	9	1285	0	0	48	5518	30	4252	319	44510

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - November 91

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	1	40	8	405	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
8457100035	1	530	0	0	0	0	0	0	0	0
100045	0	0	0	0	2	105	0	0	0	0
200010	1	1069	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	1	674	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	3	343	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	4	1748	0	0	1	276	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	1	100	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	7	725	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	2	23	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	1	37	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	2	191	0	0	0	0
8460110080	0	0	0	0	1	50	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	3	829	0	0	0	0
210080	3	837	0	0	0	0	2	452	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	14	582	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	1	5	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	2	16	0	0	4	74	0	0	0	0
900060	0	0	0	0	3	105	0	0	0	0
900080	0	0	1	4	10	101	4	26	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	3	59	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	1	626	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	1	25	0	0	0	0
500090	1	5	3	32	1	11	0	0	0	0
9000000001	1	6	0	0	0	0	0	0	2	23
9800000001	2	502	4	54	27	192	3	506	1	9
9900000001	9	6	5	3	122	69	0	0	0	0
Month Tot	41	5644	15	170	201	4645	9	984	3	32
Y-T-D Tot	743	36833	1384	16562	3298	55003	834	12324	99	4777
NC YTD Tot*	80	26641	52	7148	220	30409	13	2466	3	723

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - November 91

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	1	108
8457100015	1	189	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	3	680	0	0	2	180
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	3	241
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	1	105
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	1	4
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	8	102	0	0	0	0	3	22
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	1	160
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	3	55
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	9	812
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	7	350	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	16	72	0	0	3	157
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	3	295
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	1	21	0	0	1	146
610080	1	78	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	1	33
690090	0	0	1	10	0	0	0	0	9	103
700020	6	149	0	0	0	0	0	0	0	0
700080	28	812	4	72	0	0	0	0	2	455
8460110080	0	0	0	0	3	90	0	0	0	0
190010	0	0	1	9	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	537	0	0	0	0	0	0
290010	0	0	0	0	1	206	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	2	39	2	28	1	145	0	0	3	33
310080	0	0	0	0	0	0	0	0	0	0
390050	1	515	3	69	5	31	0	0	1	9
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	1	11	7	135	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	3	19	3	35	4	17	23	236
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	1	21	0	0	0	0	1	51
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	1	34
401070	0	0	0	0	0	0	0	0	0	0
401090	1	663	0	0	0	0	0	0	2	207
405060	7	58	0	0	0	0	0	0	1	15
500050	0	0	0	0	0	0	0	0	1	70
500090	2	33	29	526	4	40	0	0	10	125
9000000001	0	0	16	197	13	160	0	0	1	6
9800000001	4	72	5	86	23	252	0	0	225	2519
9900000001	89	91	211	113	69	68	33	40	797	496
Month Tot	142	2698	293	2150	149	1933	37	57	1109	6674
Y-T-D Tot	907	13082	5398	49156	3322	45671	294	2989	10316	54734
NC YTD Tot*	25	4225	125	13791	69	12212	6	187	208	20353

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - November 91

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	1	44	0	0
8457100015	0	0	0	0	0	0	1	130	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	[illegible]	0	0
290050	0	0	0	0	0	0	0	[illegible]	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	3	14	0	0	0	0	2	54
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	2	110	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	2	326	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	10	55	0	0	0	0	4	46
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	2	47
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	3	1813	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	1	10	0	0	2	45
9000000001	0	0	0	0	0	0	10	111	5	56
9800000001	0	0	2	7	48	336	0	0	0	0
9900000001	41	33	391	285	0	0	34	33	49	50
Month Tot	41	33	408	471	52	2158	48	644	64	298
Y-T-D Tot	612	4279	3109	7827	322	4293	807	5135	1239	10100
NC YTD Tot*	11	1907	24	2335	8	841	19	2432	27	3260

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - November 91

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	1	142
8457100015	0	0	0	0	0	0	0	0	1	191
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	1	336
100045	0	0	0	0	0	0	0	0	2	157
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	11	1396	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	2	159
110030	0	0	2	195	0	0	0	0	2	153
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	1	3	0	0	0	0	2	48
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	2	184	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	9	45	0	0	0	0	3	14
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	1	199
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	1	16	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	7	184
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	8	191
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	1	10	0	0	1	91	2	7
8460110080	0	0	10	335	0	0	0	0	4	111
190010	0	0	0	0	0	0	0	0	1	7
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	9
400060	0	0	3	110	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	6
900060	0	0	0	0	0	0	0	0	0	0
900080	3	28	2	21	0	0	37	391	28	289
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	1	3	0	0	0	0	4	102
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	3	182
401090	0	0	0	0	0	0	0	0	1	43
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	1	5	0	0	2	32	7	114
9000000001	0	0	8	53	0	0	1	10	4	38
9800000001	0	0	21	817	8	3	9	31	101	372
9900000001	11	7	285	64	0	0	240	131	840	484
Month Tot	14	35	345	1677	19	1399	292	868	1027	3538
Y-T-D Tot	838	2209	3889	26950	185	19326	1222	10229	7019	53605
NC YTD Tot*	18	1106	136	11642	5	456	19	1948	154	18075

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
November 91

RELEASED: January 29, 1992

Metal Forming Machine Tools		TOTAL YTD UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000
8454300010	Die casting machines	282	6535	16	185
8462100030	Headers and upsetters, including cold headers	55	22916	3	1321
100050	Forging or die stamping machines, and hammers, n.e.c.	294	30120	18	3203
210080	Bending, folding, straight. or flat. mach., incl presses, NC	239	23204	23	2003
290030	Press brakes, non-NC	97	3201	5	156
290040	Bending rolls, non-NC	51	1304	4	45
290050	Bending, folding, straight., or flat., n.e.c., non-NC	1116	35215	66	1248
310080	Shearing machines, NC	93	7464	12	1507
390050	Shearing machines, non-NC	323	8779	39	1218
410080	Punching or notching mach., incl. comb. punch & shear, NC	122	16088	9	1104
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	695	15708	20	596
910060	Hydraulic presses, NC	25	955	1	7
910090	Hydraulic presses, non-NC	518	17375	42	1100
990030	Presses, n.e.c., NC	189	11263	18	967
990040	Presses, mechanical, non-NC	136	11497	4	160
990060	Presses, n.e.c., non-NC	852	37494	51	2962
8463100080	Draw benches for bars, tubes, profiles, wire or the like	218	7067	18	268
200080	Thread rolling machines	51	1610	6	154
300080	Machines for working wire	700	20360	102	4032
900080	Metal forming machine tools, n.e.c.	1344	85616	174	7890
9800000002	Used or rebuilt machine tools	3035	55959	200	3944
9900000002	Machine tools valued at less than $3,025	14159	11139	1018	736

Forming Total			1849	34807
Y-T-D Forming Total	24594	430868		
NC Y-T-D Forming Total	668	58974		
Cutting and Forming Totals:				
Monthly Total			7219	77956
Y-T-D Total	79156	974536		
NC Y-T-D Total*	2296	276695		

Other Manufacturing Technology		TOTAL YTD UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000
1000000000	Machine tool parts and accessories	0	619035	0	57291
2000000000	Parts for working rubber or plastics - heading 8477	0	235903	0	19066
2710003070	Quenching or cutting oils	0	6129	0	534
8428900010	Industrial robots for lifting, handling, loading or unload	576	7304	66	535
8431390090	Parts industrial robots, handling and loading - heading 8428	0	87524	0	8739
8456100000	Laser, light or photon beam for working any material	534	33149	47	2530
200000	Ultrasonic process for working any material	58	2286	7	269
8477106010	Injection molding mach., for rubber or oth. thermosetting	246	19247	14	1279
106070	Injection molding machines, for thermoplastics	495	53178	48	4935
200005	Extruders; rubber or other thermosetting mat., single screw	106	7380	8	364
200015	Extruders; rubber or thermosetting, other incl. multi. screw	121	10436	4	367
200030	Extruders; thermoplastics, single screw	449	24555	60	4070
200060	Extruders; thermoplastics, other incl. multi. screw	81	8217	5	439
300000	Blow molding machines	546	32349	51	4237
400000	Vacuum-molding and other thermoforming machines	1064	8728	128	1047
510010	Machines for molding or retreading pneumatic tires	2562	17015	137	2041
510090	Machines for molding or otherwise forming inner tubes	633	12258	35	873
590000	Machines for molding or otherwise forming n.e.c.	1576	28525	203	6279
800000	Machines for working rubber or plastics n.e.c.	4316	77430	207	11266
8479899040	Industrial robots, n.e.c.	5195	63262	354	4090
908040	Industrial robot parts	0	32127	0	2566
8537100030	Numerical controls for controlling machine tools	1446	20898	97	1403
9024100000	Machines and appliances for testing metals	0	63489	0	4432
9031100000	Machines for balancing mechanical parts	0	27361	0	1867
300000	Profile projectors	0	4800	0	596
9032810040	Industrial process control instr., hydraulic or pneumatic	790212	47211	52545	3855

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
November 91

Metal Forming	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	1	980	0	0	0	0
100050	0	0	0	0	1	742	0	0	2	149
210080	0	0	0	0	1	36	0	0	1	54
290030	0	0	0	0	0	0	0	0	3	73
290040	1	8	0	0	0	0	0	0	2	20
290050	2	14	0	0	1	21	0	0	21	348
310080	0	0	0	0	0	0	0	0	2	412
390050	0	0	0	0	11	51	0	0	22	292
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	0	0	1	7	1	11	6	66
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	2	152
990030	0	0	0	0	0	0	0	0	4	69
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	0	0	2	17
8463100080	1	6	0	0	0	0	0	0	1	11
200080	2	45	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	1	13	2	26
900080	0	0	0	0	7	299	0	0	13	96
9800000002	0	0	0	0	0	0	0	0	35	1656
9900000002	49	28	3	3	0	0	10	8	173	172
Month Tot	55	101	3	3	23	2136	12	33	291	3614
Y-T-D Tot	514	9586	20	431	379	5171	237	7882	3059	40390
NC YTD Tot	4	210	3	99	24	743	19	1681	79	8739
C&F Month	154	175	42	31	65	2434	391	629	793	9656
C&F Y-T-D	1463	13647	135	1243	1355	15243	1593	18875	8388	123033
C&F NC YTD*	13	1495	3	99	72	6261	49	5933	398	53249

Other Manufacturing Technology

1000000000	0	1234	0	87	0	550	0	990	0	9887
2000000000	0	214	0	121	0	394	0	664	0	4624
2710003070	0	15	0	0	0	5	0	0	0	146
8428900010	0	0	0	0	0	0	2	79	5	57
8431390090	0	172	0	0	0	36	0	0	0	1294
8456100000	0	0	0	0	0	0	1	103	0	0
200000	0	0	0	0	0	0	0	0	1	148
8477106010	0	0	0	0	0	0	0	0	5	316
106070	3	260	0	0	0	0	1	69	5	1333
200005	0	0	0	0	0	0	0	0	3	246
200015	0	0	0	0	0	0	0	0	2	38
200030	3	146	0	0	1	61	2	62	0	0
200060	0	0	1	27	0	0	0	0	1	294
300000	0	0	0	0	0	0	2	5	3	1705
400000	0	0	0	0	0	0	0	0	3	191
510010	2	15	0	0	0	0	7	163	30	746
510090	0	0	0	0	0	0	2	49	0	0
590000	0	0	0	0	1	58	2	32	1	326
800000	0	0	0	0	0	0	2	546	69	5461
8479899040	0	0	0	0	1	13	8	21	264	1572
908040	0	5	0	0	0	11	0	0	0	860
8537100030	2	34	0	0	0	0	0	0	7	85
9024100000	0	56	0	0	0	28	0	125	0	414
9031100000	0	0	0	0	0	0	0	0	0	493
300000	0	0	0	0	0	0	0	30	0	17
9032810040	8	16	143	22	984	49	97	26	2090	305

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
November 91

Metal Forming

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	1	15	0	0	0	0
8462100030	0	0	0	0	2	342	0	0	0	0
100050	0	0	1	49	0	0	0	0	0	0
210080	2	137	1	35	1	90	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	1	49	1	13	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	1	9	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	0	0
490050	6	424	0	0	0	0	0	0	1	45
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	5	168
990030	1	241	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	7	1842	0	0	1	243
8463100080	0	0	0	0	2	56	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	3	75	8	146	0	0	0	0
900080	1	597	7	161	5	62	6	64	0	0
9800000002	0	0	0	0	6	122	0	0	0	0
9900000002	0	0	19	18	40	35	57	6	5	4
Month Tot	10	1399	33	394	73	2724	63	69	12	460
Y-T-D Tot	387	23328	936	21908	1779	39611	174	1071	167	5444
NC YTD Tot	27	2565	35	2753	37	4064	2	170	1	23
C&F Month	51	7042	48	565	274	7369	72	1054	15	493
C&F Y-T-D	1130	60161	2320	38470	5077	94614	1008	13396	266	10221
C&F NC YTD*	107	29206	87	9901	257	34474	15	2635	4	746

Other Manufacturing Technology

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	458	0	1519	0	7754	0	338	0	61
2000000000	0	59	0	335	0	1650	0	72	0	50
2710003070	0	0	0	0	0	25	0	0	0	17
8428900010	0	0	0	0	2	16	0	0	0	0
8431390090	0	26	0	100	0	102	0	31	0	55
8456100000	0	0	0	0	1	17	0	0	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	2	166	0	0	0	0
106070	1	231	1	67	5	456	0	0	0	0
200005	0	0	0	0	5	117	0	0	0	0
200015	0	0	0	0	2	329	0	0	0	0
200030	0	0	0	0	4	376	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	2	37	1	18	0	0	0	0
400000	0	0	15	7	0	0	0	0	0	0
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	0	0	18	484	0	0	0	0
590000	1	525	0	0	14	216	1	21	30	478
800000	1	533	0	0	6	134	0	0	2	35
8479899040	0	0	0	0	18	1635	0	0	0	0
908040	0	0	0	41	0	370	0	14	0	0
8537100030	1	21	9	116	10	176	0	0	0	0
9024100000	0	45	0	95	0	904	0	29	0	0
9031100000	0	0	0	0	0	20	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
9032810040	15	62	2053	129	7073	478	798	53	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
November 91

Metal Forming

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	1	5
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	2	89	2	756	0	0	2	438
210080	1	27	0	0	1	204	0	0	7	1039
290030	0	0	0	0	0	0	0	0	1	6
290040	0	0	0	0	0	0	0	0	1	17
290050	0	0	6	148	0	0	1	4	15	236
310080	0	0	6	330	0	0	0	0	3	707
390050	0	0	0	0	1	11	0	0	0	0
410080	0	0	0	0	1	320	0	0	2	55
490050	0	0	0	0	0	0	0	0	0	0
910060	1	7	0	0	0	0	0	0	0	0
910090	3	110	0	0	2	75	0	0	9	280
990030	0	0	0	0	0	0	0	0	1	15
990040	0	0	0	0	0	0	0	0	4	160
990060	0	0	0	0	2	77	0	0	35	533
8463100080	0	0	0	0	0	0	0	0	4	55
200080	0	0	0	0	0	0	0	0	2	51
300060	0	0	20	971	3	791	0	0	5	37
900080	1	24	21	1072	63	4356	0	0	11	144
9800000002	0	0	7	84	24	490	1	6	85	1102
9900000002	0	0	35	30	25	21	52	8	270	220
Month Tot	6	169	97	2725	124	7101	54	18	458	5098
Y-T-D Tot	592	10030	1618	39630	990	38977	194	1424	5035	54739
NC YTD Tot	7	665	53	5554	42	4876	1	29	80	7905
C&F Month	148	2867	390	4876	273	9034	91	75	1567	11772
C&F Y-T-D	1499	23112	7016	88787	4312	84648	488	4413	15351	109473
C&F NC YTD*	32	4890	178	19345	111	17088	7	216	288	28258

Other Manufacturing Technology

1000000000	0	1201	0	8458	0	1653	0	235	0	3358
2000000000	0	179	0	1181	0	831	0	126	0	1465
2710003070	0	6	0	37	0	78	0	0	0	0
8428900010	0	0	2	5	10	25	0	0	28	284
8431390090	0	13	0	52	0	274	0	0	0	215
8456100000	4	73	11	896	1	51	0	0	4	103
200000	0	0	1	17	0	0	0	0	1	17
8477106010	0	0	0	0	0	0	0	0	6	721
106070	3	147	0	0	2	477	0	0	4	289
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	1	830	0	0	0	0	0	0	14	341
200060	0	0	0	0	0	0	0	0	1	30
300000	2	268	0	0	0	0	0	0	20	460
400000	0	0	34	13	0	0	0	0	7	193
510010	0	0	0	0	18	460	0	0	1	5
510090	1	4	0	0	0	0	0	0	4	192
590000	3	53	23	353	0	0	0	0	1	15
800000	0	0	5	44	1	14	2	217	57	1708
8479899040	1	9	6	73	0	0	2	27	3	63
908040	0	419	0	178	0	4	0	0	0	28
8537100030	1	8	4	55	2	18	0	0	4	37
9024100000	0	64	0	564	0	82	0	99	0	133
9031100000	0	0	0	300	0	619	0	0	0	170
300000	0	37	0	75	0	0	0	300	0	0
9032810040	1374	103	460	39	1148	134	0	0	3156	301

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS

Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology

November 91

Metal Forming	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	3	3	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	2	130	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	2	110
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	1	26	2	29	0	0	0	0	1	108
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	1	46	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	4	528
490050	1	21	0	0	0	0	0	0	1	3
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	2	51
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	1	31	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	1	19	0	0	0	0	7	148	2	41
900080	6	58	0	0	0	0	0	0	1	9
9800000002	0	0	4	4	1	9	0	0	0	0
9900000002	15	8	11	10	0	0	5	4	7	6
Month Tot	26	263	21	92	1	9	13	183	20	857
Y-T-D Tot	839	9122	500	5987	161	4745	353	2690	294	9238
NC YTD Tot	20	2132	17	1181	6	283	3	181	47	3357
C&F Month	67	296	429	562	53	2167	61	827	84	1154
C&F Y-T-D	1451	13401	3609	13814	483	9038	1160	7825	1533	19338
C&F NC YTD*	31	4039	41	3516	14	1124	22	2613	74	6617

Other Manufacturing Technology

Other Manufacturing Technology	Netherlands Units	Netherlands $000	Singapore Units	Singapore $000	Spain Units	Spain $000	Switzerland Units	Switzerland $000	Taiwan Units	Taiwan $000
1000000000	0	661	0	1265	0	194	0	634	0	718
2000000000	0	204	0	298	0	24	0	150	0	1241
2710003070	0	0	0	5	0	0	0	0	0	71
8428900010	3	4	0	0	0	0	0	0	0	0
8431390090	0	296	0	36	0	3	0	21	0	120
8456100000	1	15	0	0	2	168	4	135	2	582
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	0	0	1	53	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	0	0	0	0	1	1325
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
400000	0	0	38	459	0	0	0	0	0	0
510010	57	154	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	7	11	0	0	0	0	2	35	98	3898
800000	23	1026	1	350	0	0	0	0	1	44
8479899040	1	15	4	26	0	0	17	171	1	8
908040	0	8	0	17	0	0	0	386	0	40
8537100030	3	34	1	12	0	0	0	0	0	0
9024100000	0	42	0	45	0	44	0	7	0	186
9031100000	0	13	0	64	0	8	0	0	0	0
300000	0	0	0	48	0	0	0	0	0	47
9032810040	7339	469	2005	183	6206	316	228	33	1149	74

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
November 91

Metal Forming	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	7	78	4	85
8462100030	0	0	0	0	0	0	0	0	0	0
100050	1	581	0	0	0	0	0	0	5	269
210080	0	0	6	272	0	0	0	0	0	0
290030	0	0	0	0	0	0	1	77	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	2	132	1	5	0	0	1	10	10	104
310080	0	0	0	0	1	58	0	0	0	0
390050	0	0	0	0	0	0	0	0	3	809
410080	0	0	0	0	0	0	0	0	2	200
490050	0	0	1	5	0	0	1	7	1	7
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	5	164	0	0	0	0	14	100
990030	0	0	0	0	0	0	0	0	12	642
990040	0	0	0	0	0	0	0	0	0	0
990060	1	160	0	0	0	0	2	60	0	0
8463100080	4	107	3	20	0	0	0	0	3	13
200080	0	0	0	0	0	0	0	0	2	58
300080	17	413	1	5	0	0	2	327	30	1020
900080	0	0	3	21	0	0	1	13	28	915
9800000002	0	0	1	11	0	0	24	167	12	293
9900000002	0	0	59	51	0	0	0	0	183	104
Month Tot	25	1392	80	553	1	58	39	739	309	4619
Y-T-D Tot	473	9720	1593	28353	4	181	433	2958	3863	58252
NC YTD Tot	15	1447	55	2396	3	155	5	241	83	7524
C&F Month	39	1428	425	2229	20	1457	331	1607	1336	8157
C&F Y-T-D	1311	11929	5482	55303	189	19507	1655	13188	10882	111857
C&F NC YTD*	33	2553	191	14039	8	611	24	2189	237	25598

Other Manufacturing Technology

Other Manufacturing Technology	Thailand Units	Thailand $000	U.K. Units	U.K. $000	USSR Units	USSR $000	Venezuela Units	Venezuela $000	All Other Units	All Other $000
1000000000	0	303	0	5971	0	0	0	991	0	8772
2000000000	0	375	0	712	0	0	0	310	0	3789
2710003070	0	0	0	0	0	0	0	85	0	45
8428900010	0	0	3	14	0	0	0	0	11	51
8431390090	0	0	0	656	0	0	0	419	0	4818
8456100000	0	0	2	52	0	0	0	0	14	334
200000	4	87	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	1	75
106070	0	0	3	253	0	0	4	344	15	955
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	13	318	0	0	3	63	18	547
200060	0	0	0	0	0	0	0	0	2	87
300000	0	0	2	1004	0	0	0	0	19	740
400000	0	0	0	0	0	0	0	0	31	184
510010	0	0	1	7	0	0	0	0	21	491
510090	2	34	0	0	0	0	0	0	8	111
590000	1	10	6	43	0	0	0	0	12	205
800000	1	11	9	218	0	0	2	83	25	842
8479899040	0	0	8	254	0	0	0	0	20	202
908040	0	0	0	147	0	0	0	13	0	24
8537100030	0	0	38	574	0	0	1	25	14	210
9024100000	0	9	0	579	0	0	0	9	0	874
9031100000	0	35	0	18	0	0	0	0	0	127
300000	0	0	0	0	0	0	0	0	0	43
9032810040	0	0	3516	264	0	0	2143	107	10560	691

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
November 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	1	12	1	12
Czechoslovakia	0	0	0	0	0	0
Denmark	4	250	7	107	11	357
Finland	113	170	6	279	119	449
Greece	0	0	2	235	2	235
Hungary	2	21	0	0	2	21
Iceland	40	4	0	0	40	4
Ireland	3	216	3	852	6	1068
Luxembourg	0	0	0	0	0	0
Norway	10	21	0	0	10	21
Poland	0	0	0	0	0	0
Portugal	14	22	2	17	16	39
Romania	0	0	0	0	0	0
Sweden	27	15	37	119	64	134
Turkey	10	6	1	30	11	35
Yugoslavia	0	0	1	126	1	126
Oth Europe	1	18	0	0	1	18
TOTAL	1168	14493	319	8267	1487	22760
NORTH AND CENTRAL AMERICA						
Bahamas	0	0	0	0	0	0
Barbados	0	0	5	4	5	4
Belize	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0
Costa Rica	69	31	10	99	79	130
Dominican Rep	1	4	6	5	7	9
El Salvador	0	0	3	13	3	13
Guatemala	1	6	0	0	1	6
Haiti	0	0	0	0	0	0
Honduras	1	9	1	8	2	17
Jamaica	0	0	0	0	0	0
Panama	0	0	2	5	2	5
Trinidad	7	4	2	17	9	21
Oth N & C Am.	2	94	0	0	2	94
TOTAL	1692	12865	778	8862	2470	21726
SOUTH AMERICA						
Argentina	4	205	19	70	23	275
Bolivia	0	0	0	0	0	0
Chile	82	225	6	629	88	854
Colombia	50	84	5	29	55	113
Ecuador	73	65	5	73	78	138
Paraguay	0	0	0	0	0	0
Peru	4	351	1	3	5	354
Uruguay	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	884	2396	87	1575	971	3972
OCEANIA						
New Zealand	154	198	0	0	154	198
Oth Oceania	26	17	0	0	26	17
TOTAL	279	290	55	101	334	391

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
November 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	73	262	65	135	138	396
Iran	3	84	2	51	5	135
Iraq	0	0	0	0	0	0
Israel	105	45	22	603	127	649
Jordan	0	0	1	41	1	41
Kuwait	31	200	0	0	31	200
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	0	0	0	0	0	0
Pakistan	2	9	0	0	2	9
Philippines	5	148	11	28	16	177
Qatar	0	0	0	0	0	0
Saudi Arabia	50	382	51	438	101	820
Sri Lanka	0	0	0	0	0	0
Syria	0	0	0	0	0	0
United Arab Emr	8	168	18	6	26	174
Vietnam	0	0	0	0	0	0
Oth Asia	0	0	0	0	0	0
TOTAL	1295	12902	596	15416	1891	28319
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	0	0	4	451	4	451
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	2	48	0	0	2	48
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	3	130	3	130
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	0	0	0	0	0	0
South Africa	26	128	7	5	33	133
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	0	0	0	0	0	0
Oth Africa	24	26	0	0	24	26
TOTAL	52	202	14	586	66	789

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS – Metal Cutting Machine Tools – November 91

RELEASED: January 29, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301020	Traveling wire electro-discharge machines	676	52514	93	8163
301050	Electro-discharge machines, n.e.c., NC	211	17403	36	1809
301070	Electro-discharge machines, n.e.c., non-NC	280	3537	24	287
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	1630	133252	154	12855
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	112	17226	11	1372
100035	Horizontal machining centers, ATC	442	96410	36	7963
100045	Machining centers, n.e.c.	291	130801	16	1493
200010	Unit construction mach. (single station transfer), NC	31	7546	1	224
200090	Unit construction mach. (single station transfer), non-NC	7	1968	0	0
300010	Multi-station transfer machines, NC	32	64103	5	15724
300090	Multi-station transfer machines, non-NC	61	24525	10	2539
8458110010	Horizontal lathes, multiple spindle, NC	255	41182	23	2084
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	1604	122116	148	10845
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	355	50543	33	4691
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	54	19583	2	1156
190030	Horizontal engine or toolroom lathes, non-NC	3111	28854	226	2286
190050	Automatic bar and/or chucking mach., single spindle, non-NC	310	7659	14	313
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	33	3646	0	0
190090	Horizontal lathes, n.e.c., non-NC	414	16375	11	197
911060	Vertical turret lathes, multiple spindle, NC	22	7244	1	183
911080	Vertical turret lathes, n.e.c., NC	43	12467	1	76
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	14	2952	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	26	5330	3	1590
991050	Vertical turret lathes, non-NC	88	4415	0	0
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	437	9906	18	578
8459100000	Way-type unit head machines	7	1038	1	109
210080	Other drilling machines, NC	365	24785	24	895
290040	Drilling machines, multiple spindle, non-NC	20	2017	1	272
290050	Drilling machines, radial, non-NC	244	2459	50	457
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	42	411	0	0
290090	Drilling machines, n.e.c., non-NC	342	9370	18	275
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	16	6726	2	453
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	67	12950	2	422
310070	Boring-milling machines, n.e.c., NC	21	4569	1	40
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	4	271	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	79	4487	6	187
400040	Boring machines, vertical, NC	10	1326	0	0
400050	Boring machines, vertical, non-NC	40	779	0	0
400070	Boring machines, n.e.c., NC	25	13378	4	3708
400080	Boring machines, n.e.c., non-NC	345	6187	16	444
510080	Milling machines, knee type, NC	308	5654	28	252
590030	Milling machines, knee type, non-NC	1998	16445	105	743
610080	Milling machines, excluding knee type, n.e.c., NC	438	30065	20	1842
690050	Milling machines, profile, dup., or die sinking, non-NC	36	740	0	0
690070	Milling machines, bed type, non-NC	27	765	2	78
690090	Milling machines, n.e.c., non-NC	348	9551	15	418
700020	Threading or tapping machines, n.e.c., NC	215	11751	30	1297
700080	Threading or tapping machines, n.e.c., non-NC	168	5435	12	325
8460110080	Flat surface grinding machines, NC	104	11678	1	33
190010	Flat surface grinding mach., recip.-table type, non-NC	367	4971	40	284
190050	Flat surface grinding machines, n.e.c., non-NC	1076	12543	76	596
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	439	77329	36	8325
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	339	13255	41	1333
290030	Grinding machines, internal cylindrical, non-NC	129	5969	5	569
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	686	28449	50	3113
310080	Sharpening machines (tool & cutter grinding), NC	142	6605	6	519
390050	Sharpening machines (tool & cutter grinding), non-NC	518	7223	50	360
400060	Honing or lapping machines, NC	28	3342	2	179
400080	Honing or lapping machines, non-NC	204	14694	25	1822
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	92	5284	4	42
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	1053	27495	70	1669
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	8	46	0	0
200010	Shaping or slotting machines, NC	6	555	0	0
200090	Shaping or slotting machines, non-NC	50	3727	4	504
300060	Broaching machines, NC	5	2814	0	0
300080	Broaching machines, non-NC	11	3826	0	0
401020	Gear cutting for bevel gears	13	1070	10	4
401030	Gear hobbers	146	18853	9	1100
401040	Gear shapers	37	3917	2	33
401060	Gear cutting machines, n.e.c.	123	2298	4	2
405050	Gear grinding or finishing for bevel gears	4	473	0	0
405070	Gear grinding or finishing machines, n.e.c.	43	16601	1	92
500050	Sawing or cutting-off machines, NC	99	11002	11	538
500090	Sawing or cutting-off machines, non-NC	1292	28154	124	2030
9000000001	Metal cutting machine tools, n.e.c.	238	13998	9	1501
9800000001	Used or rebuilt machine tools	3493	45204	256	5372
9900000001	Machine tools valued at less than $3,025	827729	77546	109322	7995
	Cutting Total			111361	126660
	Y-T-D Cutting Total	854178	1501636		
	NC Y-T-D Cutting Total	8208	1015406		

Please see notes on last page
of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - November 91

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	8	1048
100035	0	0	0	0	0	0	0	0	1	118
100045	0	0	0	0	0	0	0	0	3	589
200010	0	0	0	0	0	0	0	0	1	224
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	3	701
8458110010	0	0	11	267	0	0	0	0	2	440
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	1	821
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	1	70
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	1	51	0	0	1	1261
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	2	23	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	1	13	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	1	17	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	1	308
310070	0	0	0	0	0	0	0	0	1	40
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	2	146
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	3	1812
400080	0	0	0	0	1	11	14	315	1	118
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	2	1090	0	0	3	450
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	1	4	1	118	1	69
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	2	15
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	133	0	0	0	0	14	2568
290010	0	0	0	0	21	107	0	0	0	0
290030	0	0	0	0	0	0	0	0	1	215
290050	0	0	0	0	10	29	0	0	25	862
310080	0	0	0	0	0	0	0	0	1	39
390050	0	0	0	0	10	43	0	0	2	70
400060	0	0	0	0	0	0	0	0	2	179
400080	0	0	0	0	2	11	0	0	10	1515
900060	0	0	0	0	0	0	0	0	0	0
900080	2	13	0	0	3	32	0	0	8	531
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	1	3	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	6	617
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	1	92
500050	0	0	0	0	1	49	0	0	0	0
500090	0	0	0	0	20	298	4	100	48	463
9000000001	0	0	0	0	0	0	0	0	0	0
9800000001	50	1	0	0	66	63	0	0	48	2797
9900000001	0	0	0	0	285	131	58	98	572	441
Month Tot	52	14	12	400	428	1975	77	632	773	18615
Y-T-D Tot	125	1843	683	7887	5802	16581	2599	18482	7618	321767
NC YTD Tot	5	403	25	1900	41	4523	51	8917	554	209124

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - November 91

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	58	4953	0	0	0	0	0	0
301050	0	0	22	1026	0	0	0	0	0	0
301070	0	0	2	44	0	0	2	19	0	0
8457100015	1	75	123	11240	2	81	13	708	0	0
100025	0	0	1	186	0	0	0	0	0	0
100035	0	0	33	7699	2	146	0	0	0	0
100045	0	0	1	403	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	1	220	4	15504	0	0	0	0	0	0
300090	0	0	1	503	0	0	0	0	0	0
8458110010	0	0	10	1378	0	0	0	0	0	0
110030	0	0	104	8629	8	476	0	0	0	0
110050	0	0	31	4464	1	103	0	0	0	0
110090	0	0	1	335	0	0	0	0	0	0
190030	0	0	0	0	1	32	18	230	38	381
190050	0	0	1	36	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	1	27	1	18	0	0	0	0	0	0
911060	0	0	1	183	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	1	76
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	1	278	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	6	376	0	0	1	34
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	24	895	0	0	0	0	0	0
290040	0	0	1	272	0	0	0	0	0	0
290050	0	0	3	85	0	0	0	0	1	92
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	1	44	0	0	0	0	7	58
310010	0	0	1	298	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	1	1897	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	1	35	19	103
590030	0	0	1	168	0	0	0	0	50	317
610080	0	0	0	0	0	0	1	40	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	2	78	0	0	0	0	0	0
690090	0	0	1	16	0	0	0	0	0	0
700020	0	0	23	1122	0	0	0	0	0	0
700080	1	266	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	20	228	0	0
190050	2	13	9	28	0	0	0	0	1	92
210080	0	0	16	4383	0	0	0	0	0	0
290010	0	0	5	241	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	1	576	1	320	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	8	25	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	6	242	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	1	59	30	761	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	1	6	1	457	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	10	4	0	0	0	0	0	0	0	0
401030	0	0	2	445	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	1	8	1	323	0	0	0	0	0	0
500090	4	29	24	884	0	0	0	0	0	0
9000000001	0	0	8	1482	0	0	0	0	0	0
9800000001	5	112	14	634	3	75	0	0	0	0
9900000001	1901	425	5232	746	1504	147	60	10	0	0
Month Tot	1931	3717	5809	70830	1527	1435	115	1270	118	1154
Y-T-D Tot	29756	46242	54320	722744	20273	17436	1045	12030	1673	15854
NC YTD Tot	104	24560	4915	617675	143	9732	152	7133	170	1389

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - November 91

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	14	2381	3	30	0	0	18	799
301050	0	0	9	565	0	0	0	0	5	218
301070	0	0	1	27	18	157	1	40	0	0
8457100015	0	0	0	0	1	56	6	256	8	438
100025	0	0	0	0	2	139	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	4	229	8	271
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	6	1335	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	3	177	0	0	11	706	22	857
110050	0	0	0	0	0	0	1	124	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	34	308	13	268	122	1067
190050	0	0	1	97	11	110	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	2	6	6	139	1	6
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	1	4	1	18	2	26	5	97
8459100000	0	0	0	0	0	0	1	109	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	18	87	0	0	27	179
290070	0	0	0	0	0	0	0	0	0	0
290090	2	21	0	0	1	12	3	104	3	19
310010	0	0	0	0	1	155	0	0	0	0
310040	0	0	0	0	0	0	0	0	1	114
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	4	41	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	6	49	2	65	0	0
590030	0	0	1	5	28	115	7	37	18	101
610080	0	0	1	100	3	15	2	26	8	121
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	5	0	0	0	0	10	206
700020	0	0	0	0	7	175	0	0	0	0
700080	0	0	0	0	1	16	1	6	7	21
8460110080	0	0	0	0	0	0	1	33	0	0
190010	0	0	0	0	20	56	0	0	0	0
190050	0	0	0	0	39	396	1	26	24	41
210080	0	0	5	1241	0	0	0	0	0	0
290010	4	154	9	789	0	0	2	42	0	0
290030	4	354	0	0	0	0	0	0	0	0
290050	0	0	3	949	1	1	9	376	0	0
310080	0	0	2	193	0	0	0	0	3	287
390050	0	0	2	26	1	7	25	182	2	7
400060	0	0	0	0	0	0	0	0	0	0
400080	1	7	0	0	0	0	6	48	0	0
900060	0	0	0	0	0	0	0	0	4	42
900080	0	0	5	95	1	13	7	26	13	138
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	1	37
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	1	39
401040	0	0	0	0	0	0	0	0	2	33
401060	0	0	0	0	0	0	4	2	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	7	67	0	0	1	91
500090	2	45	0	0	22	212	0	0	0	0
9000000001	0	0	0	0	0	0	0	0	1	19
9800000001	6	801	4	109	1	3	50	439	9	337
9900000001	25	34	141	58	83110	4384	57	40	16377	1481
Month Tot	44	1416	209	8157	83339	6588	226	3391	16701	7068
Y-T-D Tot	2241	16204	1310	73157	585854	97573	2778	68264	138101	65572
NC YTD Tot	13	6833	270	37410	770	26192	345	36428	650	23188

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
November 91

RELEASED: January 29, 1992

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	224	25472	16	1122
8462100030	Headers and upsetters, including cold headers	69	14234	3	611
100050	Forging or die stamping machines, and hammers, n.e.c.	614	40486	55	1874
210080	Bending, folding, straight. or flat. mach., incl presses, NC	439	32554	25	2090
290030	Press brakes, non-NC	194	6773	16	532
290040	Bending rolls, non-NC	58	1445	0	0
290050	Bending, folding, straight., or flat., n.e.c., non-NC	858	29525	90	4135
310080	Shearing machines, NC	22	3547	2	128
390050	Shearing machines, non-NC	309	12097	23	499
410080	Punching or notching mach., incl. comb. punch & shear, NC	182	27912	9	1239
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	404	10336	35	2300
910060	Hydraulic presses, NC	25	8099	0	0
910090	Hydraulic presses, non-NC	1812	17753	27	568
990030	Presses, n.e.c., NC	3	1451	0	0
990035	Mechanical transfer presses, non-NC	12	62504	0	0
990045	Mechanical presses, n.e.c., non-NC	183	17123	26	1111
990060	Presses, n.e.c., non-NC	446	24648	42	3253
8463100080	Draw benches for bars, tubes, profiles, wire or the like	122	9798	6	371
200080	Thread rolling machines	66	1886	4	98
300080	Machines for working wire	1120	49756	298	3669
900080	Metal forming machine tools, n.e.c.	844	24090	59	849
9800000002	Used or rebuilt machine tools	2564	22893	62	689
9900000002	Machine tools valued at less than $3,025	13294	5847	1525	858
	Forming Total			2323	25998
	Y-T-D Forming Total	23864	450228		
	NC Y-T-D Forming Total	671	73562		
	Cutting and Forming Totals:				
	Monthly Total			113684	152658
	Y-T-D Total	878042	1951864		
	NC Y-T-D Total	8879	1088969		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
1000000000	Machine tool parts and accessories	0	509158	0	39088
2000000000	Parts for working rubber or plastics - heading 8477	0	296422	0	28324
2710003070	Quenching or cutting oils	0	277	0	11
8428900010	Industrial robots for lifting, handling, loading or unload	1456	30330	211	3005
8431390080	Parts industrial robots, handling and loading - heading 8428	0	84670	0	6494
8456101010	Laser, light or photon beam for working metal, NC	157	34657	27	5034
101020	Laser, light or photon beam for working metal, non-NC	99	10442	9	924
105000	Laser, light or photon beam for other materials	178	8469	8	1401
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	38	151	4	14
205000	Ultrasonic processes for working other materials	38	229	0	0
8477103000	Injection molding mach., for manufacturing shoes	171	1964	2	114
106010	Injection molding mach., for rubber or oth. thermosetting	742	82885	72	7370
106050	Injection molding mach., for thermoplastics	2066	188137	215	16782
200005	Extruders; rubber or other thermosetting mat., single screw	37	7239	3	549
200015	Extruders; rubber or thermosetting, other incl. multi. screw	138	17450	5	1924
200035	Extruders; thermoplastics, single screw, less than 6.4cm	79	2553	3	93
200045	Extruders; thermoplastics, single screw, 6.4cm or greater	91	11772	3	464
200055	Extruders; thermoplastics, mutli. screw, less than 6.4cm	64	6872	7	413
200065	Extruders; thermoplastics, multi. screw, 6.4cm or larger	114	21341	5	1029
300000	Blow molding machines	233	48531	16	2787
400000	Vacuum-molding and other thermoforming machines	315	15680	39	327
510010	Machines for molding or retreading pneumatic tires	314	25343	18	2405
510090	Machines for molding or otherwise forming inner tubes	74	5650	6	181
590000	Machines for molding or otherwise forming n.e.c.	573	29416	61	1776
800000	Machines for working rubber or plastics n.e.c.	2096	139838	258	10529
8479899040	Industrial robots, n.e.c.	3539	127628	243	6587
908040	Industrial robot parts	0	29045	0	2320
8537100030	Numerical controls for controlling machine tools	8882	30664	1042	2153
9024100000	Machines and appliances for testing metals	0	10001	0	924
9031100000	Machines for balancing mechanical parts	0	8169	0	219
300000	Profile projectors	0	5072	0	294
9032810020	Industrial process control instr., hydraulic	126822	3099	19625	191
810060	Industrial process control instr., pneumatic	152300	5076	19313	775

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
November 91

Metal Forming

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	4	115	0	0	1	217
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	4	173	0	0	23	467
210080	0	0	0	0	3	182	0	0	5	790
290030	1	67	0	0	15	465	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	12	427	0	0	3	118
310080	0	0	0	0	0	0	0	0	0	0
390050	6	127	0	0	3	76	0	0	0	0
410080	0	0	0	0	0	0	0	0	2	594
490050	0	0	0	0	1	292	0	0	7	969
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	1	57	0	0	17	16
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	18	845	0	0	4	548
8463100080	0	0	0	0	0	0	0	0	6	371
200080	0	0	0	0	0	0	0	0	0	0
300080	2	249	0	0	4	265	0	0	16	1064
900080	0	0	0	0	4	24	18	102	8	54
9800000002	4	104	0	0	20	240	0	0	7	100
9900000002	0	0	0	0	39	42	4	6	10	9
Month Tot	13	548	0	0	128	3202	22	108	109	5317
Y-T-D Tot	185	8550	30	19760	1942	40170	244	2515	1387	82184
NC YTD Tot	1	561	0	0	33	4120	18	128	105	19757
C&F Month	65	562	12	400	556	5177	99	739	882	23932
C&F Y-T-D	310	10393	713	27647	7744	56751	2843	20997	9005	403951
C&F NC YTD	6	964	25	1900	74	8643	69	9045	659	228881

Other Manufacturing Technology

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	232	0	124	0	3570	0	1000	0	9319
2000000000	0	102	0	27	0	5409	0	1424	0	6777
2710003070	0	0	0	0	0	11	0	0	0	0
8428900010	0	0	0	0	16	130	20	688	1	60
8431390080	0	22	0	2	0	1534	0	57	0	1763
8456101010	0	0	0	0	0	0	0	0	8	1102
101020	0	0	0	0	0	0	0	0	8	530
105000	0	0	0	0	1	1054	0	0	2	16
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	1	101
106010	0	0	0	0	9	1941	1	133	2	1292
106050	0	0	0	0	33	4229	1	8	42	1570
200005	0	0	0	0	0	0	0	0	2	34
200015	0	0	0	0	0	0	0	0	4	1771
200035	0	0	0	0	0	0	0	0	1	48
200045	0	0	0	0	0	0	0	0	3	464
200055	0	0	0	0	0	0	0	0	5	245
200065	0	0	0	0	1	31	0	0	3	903
300000	0	0	0	0	1	13	4	1714	2	334
400000	0	0	0	0	1	85	0	0	3	23
510010	0	0	0	0	2	85	0	0	1	2040
510090	0	0	0	0	2	71	0	0	0	0
590000	0	0	0	0	27	286	10	140	7	1041
800000	6	359	0	0	32	799	1	4568	33	2082
8479899040	0	0	0	0	3	127	0	0	1	309
908040	0	4	0	0	0	45	0	1	0	1004
8537100030	0	0	0	0	15	33	0	0	0	0
9024100000	0	0	0	0	0	448	0	53	0	43
9031100000	0	0	0	0	0	117	0	0	0	29
300000	0	0	0	0	0	0	0	0	0	68
9032810020	0	0	0	0	1	3	0	0	0	0
810060	0	0	0	0	1	2	0	0	15	106

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
November 91

Metal Forming	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	4	615	0	0	0	0	0	0
8462100030	1	123	2	487	0	0	0	0	0	0
100050	4	259	16	516	0	0	0	0	0	0
210080	0	0	14	636	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	4	21	39	2229	0	0	0	0	0	0
310080	0	0	2	128	0	0	0	0	0	0
390050	2	10	3	137	0	0	0	0	0	0
410080	3	268	3	354	0	0	0	0	0	0
490050	0	0	5	632	0	0	0	0	12	150
910060	0	0	0	0	0	0	0	0	0	0
910090	1	3	6	483	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	20	975	0	0	0	0	0	0
990060	0	0	10	1720	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	1	19	0	0	0	0	2	68
300080	269	1677	6	360	0	0	0	0	0	0
900080	1	6	2	502	0	0	0	0	0	0
9800000002	1	3	1	4	2	5	0	0	0	0
9900000002	125	96	439	391	0	0	0	0	0	0
Month Tot	411	2467	573	10188	2	5	0	0	14	218
Y-T-D Tot	1796	31942	4191	188170	38	542	5	418	776	3085
NC YTD Tot	41	3359	381	31341	0	0	1	32	0	0
C&F Month	2342	6184	6382	81018	1529	1440	115	1270	132	1372
C&F Y-T-D	31552	78184	58511	910914	20311	17978	1050	12448	2449	18940
C&F NC YTD	145	27919	5296	649016	143	9732	153	7165	170	1389

Other Manufacturing Technology

1000000000	0	976	0	10964	0	98	0	163	0	92
2000000000	0	657	0	10765	0	108	0	34	0	24
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	1	14	151	1190	0	0	0	0	0	0
8431390080	0	187	0	397	0	33	0	5	0	2
8456101010	0	0	19	3932	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	36	2689	0	0	0	0	4	36
106050	4	658	70	8078	12	341	0	0	1	111
200005	1	515	0	0	0	0	0	0	0	0
200015	0	0	1	153	0	0	0	0	0	0
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	0	0	0	0	0	0	0	0
200055	0	0	2	167	0	0	0	0	0	0
200065	0	0	0	0	0	0	0	0	0	0
300000	0	0	6	435	0	0	0	0	0	0
400000	0	0	12	108	0	0	0	0	0	0
510010	0	0	14	270	0	0	0	0	0	0
510090	0	0	2	98	1	10	0	0	0	0
590000	3	4	3	294	0	0	0	0	0	0
800000	1	13	124	1269	1	12	0	0	0	0
8479899040	2	4	159	5512	0	0	0	0	0	0
908040	0	57	0	761	0	0	0	0	0	0
8537100030	2	11	729	1978	0	0	0	0	0	0
9024100000	0	119	0	39	0	0	0	0	0	0
9031100000	0	16	0	15	0	18	0	0	0	0
300000	0	0	0	44	0	0	0	0	0	0
9032810020	0	0	0	0	2710	12	0	0	0	0
810060	635	74	4	384	7500	24	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
November 91

Metal Forming	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	6	87	0	0	1	87	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	1	208	4	163	3	88	0	0
210080	0	0	0	0	0	0	3	482	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	12	517	5	659	1	8	1	8	13	148
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	4	43	5	105
410080	0	0	1	23	0	0	0	0	0	0
490050	0	0	0	0	1	5	3	13	6	238
910060	0	0	0	0	0	0	0	0	0	0
910090	1	6	0	0	1	2	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	1	8	0	0	0	0	5	129
990060	1	7	0	0	5	101	2	17	2	15
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	1	11	0	0	0	0
300080	0	0	0	0	0	0	0	0	1	54
900080	0	0	23	147	1	4	2	10	0	0
9800000002	3	26	0	0	0	0	4	18	20	190
9900000002	0	0	21	7	463	179	73	20	351	110
Month Tot	17	557	58	1139	477	473	96	787	403	988
Y-T-D Tot	218	9835	986	18864	6449	6612	1945	15257	3672	22323
NC YTD Tot	16	2184	14	1716	7	116	18	2893	36	7355
C&F Month	61	1973	267	9297	83816	7060	322	4178	17104	8056
C&F Y-T-D	2459	26039	2296	92020	592303	104185	4723	83521	141773	87895
C&F NC YTD	29	9016	284	39126	777	26308	363	39321	686	30543

Other Manufacturing Technology

1000000000	0	711	0	3035	0	1987	0	3590	0	3227
2000000000	0	13	0	242	0	181	0	919	0	1641
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	16	829	0	0	0	0	1	3	5	92
8431390080	0	130	0	692	0	52	0	410	0	1209
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	1	393	0	0	0	0	0	0
105000	0	0	0	0	0	0	5	332	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	4	14
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	1	13	0	0
106010	0	0	0	0	4	146	4	36	12	1097
106050	0	0	33	1237	10	302	3	53	6	195
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200035	0	0	0	0	0	0	2	45	0	0
200045	0	0	0	0	0	0	0	0	0	0
200055	0	0	0	0	0	0	0	0	0	0
200065	0	0	0	0	0	0	1	95	0	0
300000	0	0	0	0	0	0	2	164	1	128
400000	0	0	0	0	0	0	23	111	0	0
510010	0	0	0	0	0	0	1	10	0	0
510090	0	0	0	0	0	0	0	0	1	2
590000	0	0	0	0	0	0	10	8	1	5
800000	0	0	1	6	22	481	19	492	18	447
8479899040	5	212	3	97	0	0	7	78	63	248
908040	0	105	0	72	0	0	0	186	0	84
8537100030	2	4	0	0	0	0	9	32	285	96
9024100000	0	0	0	0	0	1	0	158	0	62
9031100000	0	0	0	9	0	0	0	24	0	0
300000	0	0	0	0	0	0	0	182	0	0
9032810020	0	0	332	15	0	0	751	7	15831	154
810060	565	130	0	0	2500	4	0	0	8093	52

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
November 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	132	1045	2	56	134	1101
Bulgaria	0	0	0	0	0	0
Czechoslovakia	27	360	3	85	30	445
Denmark	43	153	21	103	64	256
Finland	15	34	8	47	23	82
Hungary	1	5	1	71	2	75
Ireland	35	43	0	0	35	43
Luxembourg	0	0	0	0	0	0
Netherlands	3	55	10	308	13	363
Norway	1	207	0	0	1	207
Poland	21	398	0	0	21	398
Portugal	13	87	3	50	16	137
Romania	0	0	0	0	0	0
USSR	0	0	1	12	1	12
Yugoslavia	3	196	0	0	3	196
Oth Europe	0	0	0	0	0	0
TOTAL	3724	39678	789	11874	4513	51553
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	163	49	4	98	167	147
Oth N & C Am.	0	0	0	0	0	0
TOTAL	591	2024	132	3300	723	5324
SOUTH AMERICA						
Argentina	1	49	0	0	1	49
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	13	449	0	0	13	449
OCEANIA						
Australia	5	324	0	0	5	324
New Zealand	0	0	0	0	0	0
Oth Oceania	0	0	0	0	0	0
TOTAL	5	324	0	0	5	324

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
November 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	16145	2118	119	40	16264	2158
Hong Kong	9	76	1	1	10	78
India	9	50	0	0	9	50
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	7	339	5	61	12	400
Malaysia	37	25	0	0	37	25
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	31	1455	0	0	31	1455
Oth Asia	0	0	0	0	0	0
TOTAL	107028	84186	1177	10768	108205	94954
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	225	55	225	55
Swaziland	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	0	0	225	55	225	55

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. – Not elsewhere classified.

A3179-3

REPORT

AMT
The Association For Manufacturing Technology
Founded 1902 as National Machine Tool Builders' Association

Direct Dial: (703) 827-5260

STATISTICAL
No. 19-92 March 4, 1992

U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY – 1991
(Values in Millions of U.S. Dollars)

	Dec. 1991	Nov. 1991	Average Sep-Nov.	Total'91	Total'90	% Change 1990-1991
METAL CUTTING MACHINE TOOLS						
Exports	$ 46.1	$ 51.1	$ 47.4	$ 597.8	$ 600.0	(0.4%)
Imports	$145.5	$126.7	$131.3	$1,645.4	$1,766.6	(6.9%)
Balance	($ 99.4)	($ 75.6)	($ 83.9)	($1,047.6)	($1,166.6)	(10.2%)
METAL FORMING MACHINE TOOLS						
Exports	$ 47.5	$ 34.8	$ 35.8	$ 478.4	$ 462.5	3.4%
Imports	$ 40.1	$ 26.0	$ 30.0	$ 490.3	$ 538.4	(8.9%)
Balance	$ 7.4	$ 8.8	$ 5.8	($ 11.9)	($ 75.9)	(84.3%)
MACHINE TOOL TOTAL						
Exports	$ 93.6	$ 86.0	$ 83.2	$1,076.1	$1,062.5	1.3%
Imports	$185.5	$152.7	$161.2	$2,135.7	$2,305.1	(7.3%)
Balance	($ 91.9)	($ 66.7)	($ 78.0)	($1,059.6)	($1,242.6)	(14.7%)
NUMERICALLY CONTROLLED MACHINE TOOLS						
Exports	$ 19.6	$ 29.9	$ 24.8	$ 304.3	$ 347.1	(12.3%)
Imports	$103.9	$ 92.2	$ 96.3	$1,099.1	$1,194.4	(8.0%)
Balance	($ 84.3)	($ 62.3)	($ 71.5)	($ 794.8)	($ 847.3)	(6.2%)
OTHER MANUFACTURING TECHNOLOGY						
Exports	$152.0	$145.0	$147.1	$1,701.8	$1,812.4	(6.1%)
Imports	$156.9	$144.5	$148.3	$1,955.1	$1,963.3	(0.4%)
Balance	($ 4.0)	$ 0.5	($ 1.2)	($ 253.3)	($ 150.9)	67.9%

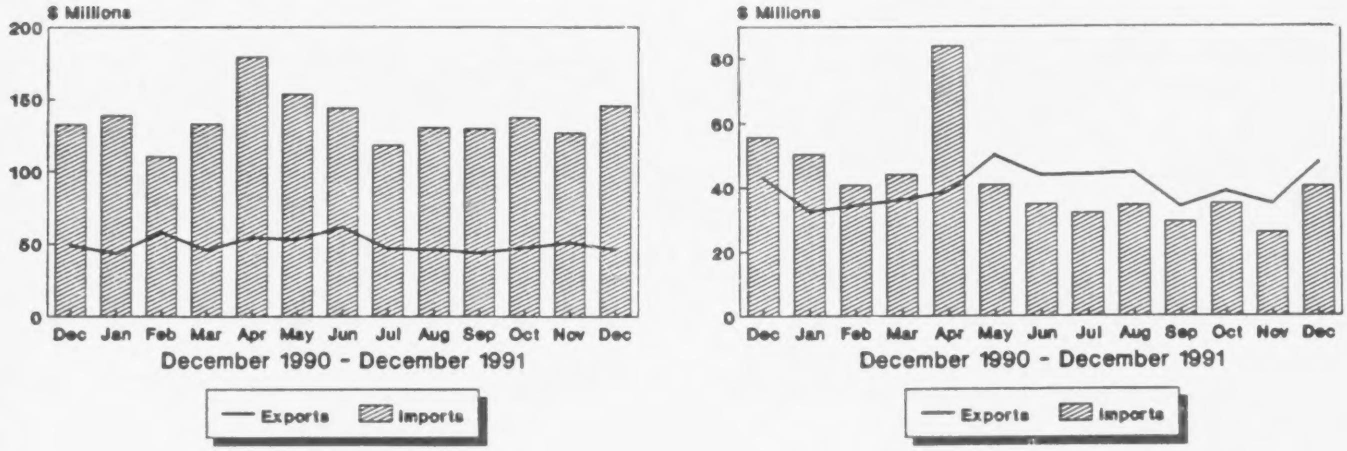
Note: Numerically controlled machine tools is a subgroup of the machine tool total. ( ) denotes negative. Individual items may not add up to totals due to rounding.

- U.S. machine tool exports in 1991 totalled $1.076 billion, the highest total ever and up 1.3% over 1990. 1991 was the eighth straight year in which U.S. machine tool exports rose.

- U.S. machine tool imports fell 7% in 1991 over 1990 to $2.1 billion. Imports have now fallen for two consecutive years.

- For the third straight year, Canada was the top U.S. machine tool export market. Exports to Canada totalled $134.6 million in 1991, down 26% from 1990. Japan led all import sources at $991.4 million, down 7% from 1990.

U.S. MONTHLY TRADE IN MACHINE TOOLS


METAL CUTTING

METAL FORMING

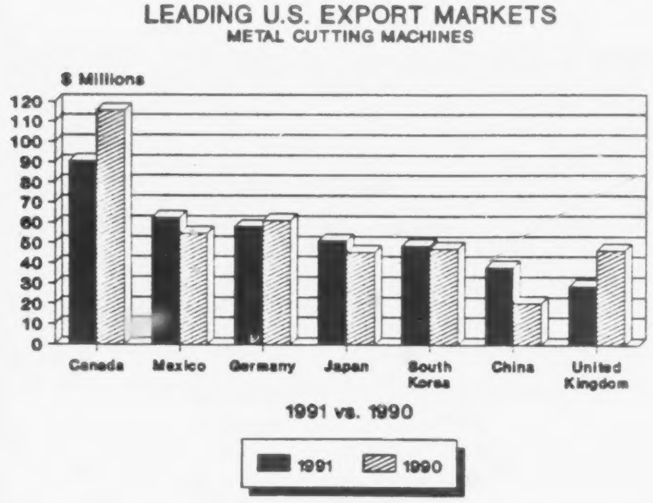
METAL CUTTING MACHINE TOOLS

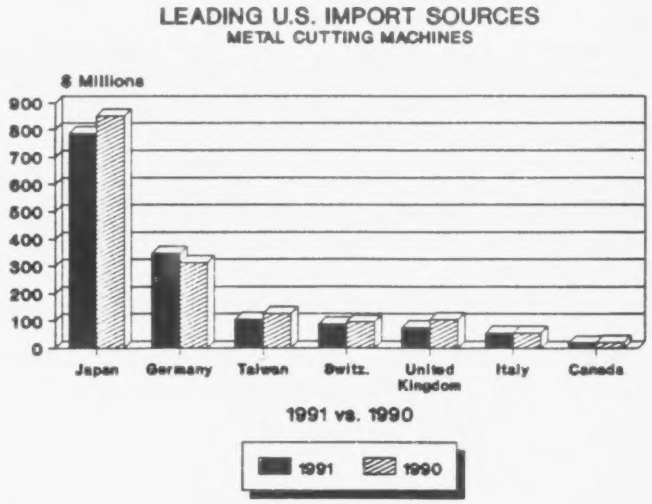
Exports

- Metal cutting machine tool exports in 1991 were $597.8 million, down less than 1% from 1990.

- Canada was the top metal cutting export market in 1991 at $90.5 million, down 22% from the previous year. Mexico followed at $62.5 million (up 14%), followed by Germany ($58.0 million, down 5%), Japan ($51.1 million, up 12%), South Korea ($48.6 million, up 3%), and China ($38.0 million, up 85%).

- Exports of drilling machines in 1991 ($23.4 million) were up 30% over 1990; exports of gear cutting machines ($66.2 million) were up 12%. Exports of NC vertical lathes ($2.5 million) were down 81%, while exports of grinding machines ($107.7 million) were down 18%.





Imports

- Imports of metal cutting machines in 1991 were $1.6 billion, down 7% from 1990.

- Imports from Japan were down 7% in 1991 from 1990 at $788.4 million; Japan supplied 48% of all metal cutting imports. Imports from Germany in 1991 were $347.3 million, up 11% from 1990; imports from Taiwan were $104.2 million, down 17%.

- Imports of NC horizontal lathes in 1991 ($253.8 million) were down 12% over 1990; imports of machining centers ($312.6 million) were down 22%. Imports of station type machines ($217.9 million) were up 163%, and imports of boring machines ($54.7 million) were up 23%.

METAL FORMING MACHINE TOOLS

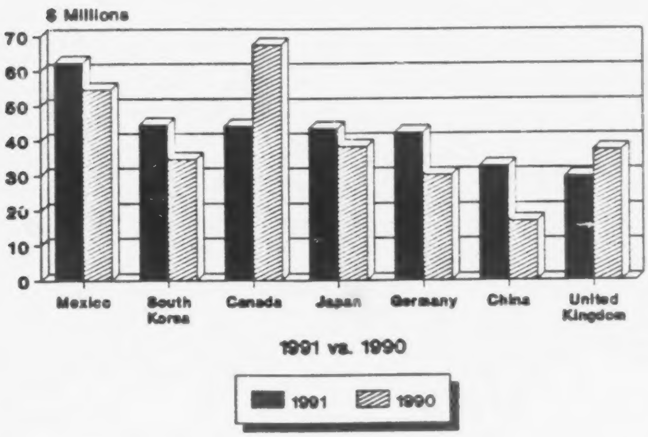
Exports

- Exports of metal forming machines in 1991 were $478.4 million, up from $462.5 million in 1990. December marked the eighth straight month that U.S. metal forming machine tool exports exceeded U.S. imports of metal forming machines.

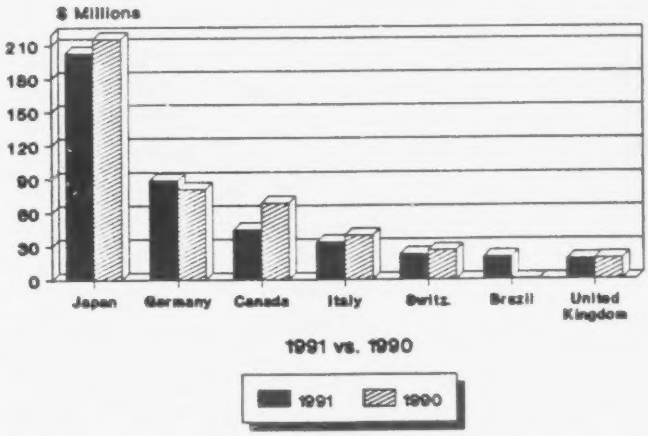
- Mexico was the top export market in 1991 at $62.4 million, up from $54.7 million in 1990. South Korea was next at $44.6 million (up 28%), followed by Canada ($44.1 million, down 35%), Japan ($43.3 million, up 13%) and Germany ($42.1 million, up 40%).

- Exports of presses in 1991 were down 13% over 1990 to $86.7 million; exports of punching and shearing machines were down 17% to $54.5 million. Exports of forging machines were $54.7 million, up 7% over 1990.

LEADING U.S. EXPORT MARKETS
METAL FORMING MACHINES



LEADING U.S. IMPORT SOURCES
METAL FORMING MACHINES



Imports

- U.S. metal forming machine tool imports in 1991 totalled $490.3 million, down 9% from 1990; the import total for 1991 was the lowest annual total since 1985.

- Japan was the top metal forming supplier in 1991 at $203.0 million, down 6% from 1990. Imports from Germany ($88.5 million) were up 9%; imports from Canada ($44.7 million) and Italy ($33.7 million) were down 35% and 15%, respectively.

- Imports of presses in 1991 were up 14% over the previous year to $141.6 million; imports of bending and forming machines were down 14% to $81.2 million.

OTHER MANUFACTURING TECHNOLOGY

Exports

- Exports of other manufacturing technology totalled $1.7 billion in 1991, down 6% from 1990.

- Exports of machine tool parts and accessories were $675.9 million in 1991, down from $722.1 million in 1990. The top export markets: Canada ($127.7 million), Germany ($71.1 million), Japan ($64.5 million) and the United Kingdom ($51.8 million).

- Exports of machines using laser, light or photon beam processes were $34.1 million in 1991, down from $46.1 million in 1990.

Imports

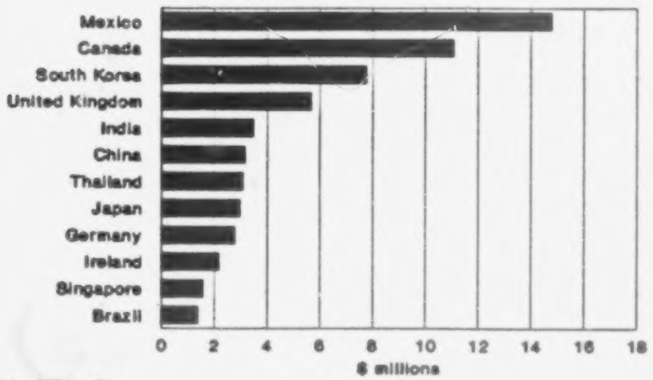
- Imports in 1991 of other manufacturing technology totalled $1.96 billion, down fractionally from 1990. The biggest single component: machine tool parts and accessories at $555.1 million, down from $564.5 million in 1990.

- Imports of injection molding machines in 1991 totalled $299.3 million, up from 1990's $296.7 million. Imports of numerical controls for controlling machine tools were $33.6 million in 1991, down from $45.5 million in 1990.

MONTHLY FOCUS

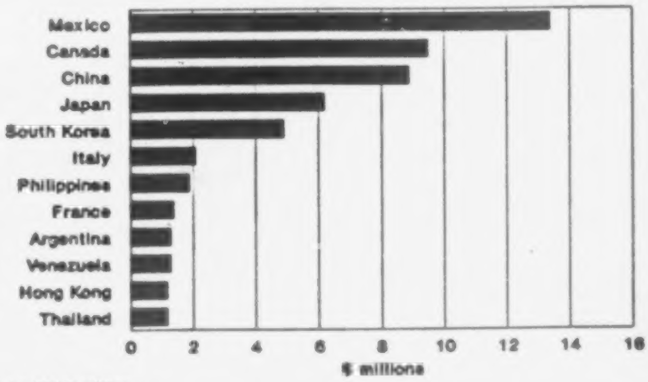
U.S. exports of used or rebuilt machine tools totalled $142.6 million in 1991, up from $119.7 million in 1990 and $117.6 million in 1989. A separate page details these exports by type of machine for 1991; exports of used or rebuilt machining centers, for example, were 417 machines valued at $11.1 million. The charts below detail the country of destination for U.S. exports of used or rebuilt machines in 1991. Mexico and Canada are the top two markets at $28.2 million and $20.6 million, respectively.

U.S. Exports of Used or Rebuilt
Metal Cutting Machine Tools
1991



Total - $76.6 million
Source: U.S. Bureau of the Census

U.S. Exports of Used or Rebuilt
Metal Forming Machine Tools
1991



Total - $66.0 million
Source: U.S. Bureau of the Census

U.S. Exports of Used or Rebuilt Machine Tools 1991

(values in thousands of U.S. dollars)

		Units	Value
MACHINE TOOL TOTAL		**10,023**	**$142,606**
METAL CUTTING TOTAL		**6,816**	**76,636**
8457100005	Machining centers, used or rebuilt	417	11,087
8458110005	Horizontal lathes, used or rebuilt, NC	348	4,799
190010	Horizontal lathes, used or rebuilt, non-NC	670	2,613
911040	Vertical turret lathes, used or rebuilt, NC	40	361
915040	Vertical lathes, excl. VTL's, used or rebuilt, NC	36	844
991010	Vertical lathes, excluding VTL's, used or rebuilt, non-NC	49	527
995030	Vertical lathes, excl. VTL's, used or rebuilt, non-NC	75	1,167
8459210040	Other drilling machines, used or rebuilt, NC	224	1,419
290010	Other drilling machines, non-NC	935	2,771
310005	Boring-milling machines, used or rebuilt, NC	39	1,028
390010	Boring-milling machines, n.e.c., used or rebuilt, non-NC	35	489
400010	Boring machines, used or rebuilt	67	3,091
510040	Milling machines, knee type, used or rebuilt, NC	17	2,152
590010	Milling machines, knee type, used or rebuilt, non-NC	118	1,984
610040	Milling machines, excluding knee type, used or rebuilt, NC	73	2,049
690010	Milling machines, excl. knee type, used or rebuilt, non-NC	102	6,013
700040	Threading or tapping machines, used or rebuilt	129	1,279
8460110040	Flat surface grinding machines, used or rebuilt, NC	169	679
190005	Flat surface grinding machines, used or rebuilt, non-NC	184	1,989
210040	Grind. mach., accur. 0.01mm, n.e.c., used or rebuilt, NC	243	2,032
290005	Grind. mach., accur. 0.01mm, n.e.c., used or rebuilt, non-NC	741	4,442
310040	Sharpen. mach. (tool & cutter grind.), used or rebuilt, NC	71	255
390010	Sharp. mach. (tool & cutter gr.), used or rebuilt, non-NC	557	1,994
400010	Honing or lapping machines, used or rebuilt	42	491
900010	Grind., honing, polish. mach. n.e.c., used or rebuilt	459	2,963
8461100020	Planing machines, used or rebuilt	127	1,204
200030	Shaping or slotting machines, used or rebuilt	93	1,087
300020	Broaching machines, used or rebuilt	22	720
401010	Gear cutting machines, used or rebuilt	107	4,932
405020	Gear grinding or finishing machines, used or rebuilt	291	1,764
500010	Sawing or cutting-off machines, used or rebuilt	261	3,052
900010	Metal cutting machine tools n.e.c., used or rebuilt	75	5,360
METAL FORMING TOTAL		**3,207**	**65,970**
8462100010	Forging or die stamping machines, used or rebuilt	412	17,572
210040	Bend., fold., straight. or flat. mach., used or rebuilt, NC	270	5,701
290010	Bend., fold., straight. mach., used or rebuilt, non-NC	463	4,219
310040	Shearing machines, used or rebuilt	40	1,039
390010	Shearing machines, used or rebuilt, non-NC	140	2,137
410040	Punch. or notch. mach., incl comb. p&sh, used or rebuilt, NC	60	2,315
490010	Punch. or notch., incl. comb.p&sh, used or rebuilt, non-NC	304	3,812
910030	Hydraulic presses, used or rebuilt	226	5,370
990010	Presses, excl. hydraulic, used or rebuilt	414	4,613
8463100040	Draw benches for bars, tubes, etc., used or rebuilt	68	1,184
200040	Thread rolling machines, used or rebuilt	74	1,077
300040	Machines for working wire, used or rebuilt	321	4,562
900040	Metal forming machine tools n.e.c., used or rebuilt	415	12,372

n.e.c. = not elsewhere classified

Source: U.S. Bureau of the Census

U.S. Exports of Machine Tools 1991*
By Type of Machine and Country of Origin
(values in thousands of U.S. dollars)

	Units	Value
TOTAL BORING MACHINES	**178**	**14,919**
Italy	5	2,908
Canada	22	2,765
Mexico	34	1,984
Egypt	57	1,627
Germany	3	1,315
Israel	10	1,086
South Korea	11	789
Singapore	1	648
Venezuela	3	320
Portugal	2	308
Other Countries	30	1,170
TOTAL DRILLING MACHINES	**1,242**	**23,386**
Germany	95	7,041
Canada	395	3,431
Mexico	170	2,865
Taiwan	15	2,233
Japan	26	1,354
South Korea	161	954
Chile	10	878
Thailand	9	540
United Kingdom	71	466
Saudi Arabia	10	417
Netherlands	37	417
Other Countries	243	2,792
TOTAL GEAR CUTTING	**305**	**66,219**
Japan	38	17,742
Germany	48	10,583
South Korea	29	8,260
Italy	25	6,088
USSR	8	5,034
India	6	2,899
Canada	19	2,404
Egypt	30	2,217
Argentina	3	1,972
Spain	3	1,813
France	3	1,420
United Kingdom	18	976
Belgium	17	930
Mexico	20	834
Other Countries	38	3,044
TOTAL GRINDING MACHINES	**3,527**	**107,710**
Canada	548	15,938
Japan	315	11,380
Germany	340	10,616
South Korea	404	10,010
China	101	8,648
Mexico	358	6,814
United Kingdom	191	6,692
Brazil	84	5,279
France	89	5,278
India	188	4,458
Switzerland	54	2,465
Taiwan	70	2,131
Venezuela	186	1,971
Italy	55	1,858
Turkey	8	1,597
Netherlands	36	1,409
Singapore	31	1,187
USSR	9	988
Indonesia	9	759
Egypt	52	752
Other Countries	399	7,479

(continued next page)

	Units	Value
TOTAL NC HORIZ. LATHES	**311**	**36,024**
Canada	61	7,883
United Kingdom	59	5,603
China	26	4,427
Mexico	30	3,493
Japan	38	3,193
South Korea	15	1,894
France	10	1,790
Venezuela	12	1,330
Germany	11	1,084
Belgium	10	954
Spain	7	814
Argentina	7	533
USSR	5	456
Australia	2	448
Brazil	2	448
Other Countries	16	1,674
TOTAL NC VERT. LATHES	**31**	**2,508**
Mexico	23	1,953
Denmark	5	265
Canada	1	214
Peru	1	43
Egypt	1	33
TOTAL NON-NC LATHES	**541**	**15,768**
Mexico	193	6,554
Canada	75	2,297
Venezuela	13	1,003
South Korea	30	888
Japan	25	720
China	3	633
United Kingdom	25	601
Brazil	36	443
France	4	403
Germany	16	354
Saudi Arabia	28	334
Taiwan	8	241
India	8	236
New Zealand	3	129
Chile	3	121
Other Countries	71	810
TOTAL MILLING MACHINES	**575**	**34,341**
Canada	81	8,693
South Korea	129	8,242
China	56	4,578
Argentina	1	2,560
Mexico	108	2,020
Singapore	30	1,204
Brazil	2	940
Chile	25	902
France	4	825
United Kingdom	22	652
Japan	28	612
Egypt	4	398
Australia	11	335
Saudi Arabia	10	300
Costa Rica	4	262
India	2	219
Taiwan	3	213
Kuwait	7	184
United Arab Emirates	7	165
Colombia	2	151
Italy	3	130
Other Countries	36	755

U.S. Exports of Machine Tools 1991*
By Type of Machine and Country of Origin, continued
(values in thousands of U.S. dollars)

	Units	Value
TOTAL MACHINING CENTERS	**297**	**58,897**
Canada	81	11,895
China	18	8,340
Argentina	2	8,208
Mexico	63	7,688
Belgium	18	2,986
Sweden	5	2,657
South Korea	11	2,098
Taiwan	8	1,889
United Kingdom	17	1,769
Egypt	4	1,608
France	6	1,218
Japan	6	1,113
Netherlands	6	1,106
Germany	8	907
Singapore	8	904
Other Countries	36	4,511
TOTAL STATION TYPE	**105**	**48,593**
Germany	13	12,904
USSR	15	12,635
Canada	12	6,348
France	36	4,520
China	3	3,157
Mexico	13	2,582
Indonesia	1	2,465
Japan	2	1,425
South Korea	3	987
India	1	585
United Kingdom	4	537
Hong Kong	1	260
Ireland	1	188
TOTAL METAL CUT. N.E.C.	**3,174**	**88,161**
Canada	545	14,308
Germany	210	9,127
Japan	348	8,602
Mexico	289	6,891
South Korea	189	5,289
United Kingdom	290	4,850
China	61	4,211
Venezuela	106	3,710
Belgium	48	3,517
Taiwan	72	3,153
Italy	89	2,924
Hong Kong	126	2,730
Brazil	89	2,418
Singapore	63	1,733
Switzerland	56	1,404
France	45	1,267
Netherlands	90	1,196
Turkey	10	1,147
Other Countries	448	9,685
TOTAL PUNCH & SHEAR	**1,357**	**54,513**
Mexico	263	11,122
Canada	250	7,846
Japan	61	4,411
Germany	113	4,225
United Kingdom	51	3,465
Taiwan	48	3,278
South Korea	64	2,285
Netherlands	26	2,174
Ireland	19	1,685
China	37	1,630
Singapore	53	1,375
France	11	1,052
Other Countries	361	9,964

	Units	Value
TOTAL BENDING & FORMING	**1,630**	**67,966**
Mexico	272	12,968
Canada	375	11,495
United Kingdom	310	9,853
South Korea	29	3,435
Philippines	29	3,375
Germany	57	2,952
Saudi Arabia	16	2,458
Japan	58	1,960
Brazil	34	1,651
Indonesia	29	1,624
Taiwan	27	1,336
China	19	1,329
Singapore	33	1,227
Australia	82	1,112
France	16	1,069
Other Countries	244	10,122
TOTAL PRESSES	**1,857**	**86,697**
Germany	144	16,015
Mexico	802	14,888
United Kingdom	102	7,600
Japan	122	7,080
South Korea	61	5,657
France	66	4,226
Turkey	28	3,830
China	30	2,762
Brazil	41	2,718
Indonesia	37	2,607
Taiwan	37	2,321
Canada	84	2,294
Italy	18	1,551
Portugal	2	1,393
Hong Kong	26	1,198
Netherlands	28	1,152
Other Countries	229	9,406
TOTAL FORGING MACHINES	**362**	**54,737**
Japan	36	13,921
France	80	6,447
Canada	27	4,874
Italy	19	4,638
South Korea	37	4,216
Germany	34	3,953
Mexico	29	3,093
Thailand	7	2,296
Brazil	3	2,011
Belgium	4	1,792
Netherlands	5	1,373
Singapore	8	1,288
United Kingdom	14	1,033
Other Countries	59	3,801
TOTAL METAL FORM. N.E.C.	**2,944**	**136,414**
South Korea	319	23,675
China	81	17,578
Germany	307	12,983
Japan	270	9,022
France	131	8,633
Australia	51	6,672
Canada	211	6,232
United Kingdom	201	5,580
Ireland	39	5,279
Thailand	84	4,502
Mexico	264	4,489
Netherlands	90	4,064
Taiwan	49	3,220
Spain	43	3,115
Other Countries	804	21,372

*Includes new machines valued over $3,025 only
Source: U.S. Bureau of the Census

U.S. Imports of Machine Tools 1991*
By Type of Machine and Country of Origin
(values in thousands of U.S. dollars)

	Units	Value
TOTAL BORING MACHINES	**638**	**54,688**
Germany	103	18,250
Japan	41	15,446
Italy	82	5,278
Switzerland	8	3,965
France	226	3,790
United Kingdom	13	2,793
Austria	2	1,059
Yugoslavia	10	838
USSR	8	680
Canada	58	677
Netherlands	1	432
Other Countries	94	1,480
TOTAL DRILLING MACHINES	**1,063**	**40,896**
Japan	455	27,852
Germany	35	3,838
France	5	2,240
Canada	20	1,454
Spain	216	1,392
Taiwan	111	718
Italy	15	631
South Korea	5	393
United Kingdom	17	391
China	64	377
Brazil	31	358
Other Countries	89	1,251
TOTAL GEAR CUTTING	**364**	**43,234**
Germany	148	27,142
Switzerland	105	6,291
Japan	43	5,612
Netherlands	3	2,013
United Kingdom	36	770
Belgium	1	755
China	16	277
South Korea	4	176
Italy	7	170
Liechtenstein	1	29
TOTAL GRINDING MACHINES	**5,626**	**239,048**
Japan	1,112	96,981
Germany	971	60,198
Switzerland	261	23,470
United Kingdom	590	12,725
Italy	222	9,831
Taiwan	1,195	9,572
Sweden	59	9,476
Spain	27	2,760
Canada	303	2,611
Australia	38	2,163
China	191	1,832
Singapore	174	1,772
Yugoslavia	94	1,260
Denmark	153	1,219
Thailand	39	473
Czechoslovakia	17	467
India	36	378
Brazil	11	349
Netherlands	15	336
France	43	294
Liechtenstein	18	220
Poland	7	116
Other Countries	50	546

	Units	Value
TOTAL NC HORIZ. LATHES	**2,461**	**253,757**
Japan	1,870	198,970
Germany	72	20,509
Taiwan	129	6,412
South Korea	95	6,043
United Kingdom	76	5,436
Switzerland	45	4,797
France	23	3,073
Sweden	2	2,452
Austria	77	2,065
Brazil	29	2,024
Hungary	23	758
Other Countries	20	1,218
TOTAL NC VERT. LATHES	**116**	**30,988**
Japan	67	16,112
Germany	10	4,987
Italy	12	4,023
France	12	3,815
United Kingdom	3	789
Sweden	2	623
South Korea	2	241
Switzerland	4	240
Canada	3	81
Spain	1	76
TOTAL NON-NC LATHES	**4,745**	**79,229**
Germany	44	10,611
Japan	130	9,496
Taiwan	1,194	9,396
Switzerland	53	7,781
United Kingdom	385	7,730
China	1,221	6,615
South Korea	193	5,965
Brazil	613	5,374
Poland	195	4,690
Singapore	233	3,004
Italy	24	2,320
Spain	129	1,365
Czechoslovakia	66	1,239
Austria	75	837
France	16	750
USSR	33	452
Yugoslavia	19	426
Argentina	7	244
Bulgaria	39	241
India	17	223
Other Countries	59	467
TOTAL MILLING MACHINES	**3,281**	**71,503**
Japan	105	16,738
Germany	80	11,238
Taiwan	1,259	10,065
Spain	1,229	9,876
Switzerland	21	8,056
United Kingdom	101	6,445
Canada	16	2,101
Italy	11	1,747
China	289	1,735
Austria	74	1,123
France	7	658
Singapore	16	588
Czechoslovakia	33	537
Other Countries	40	595

(continued next page)

U.S. Imports of Machine Tools 1991, continued*
By Type of Machine and Country of Origin
(values in thousands of U.S. dollars)

	Units	Value
TOTAL MACHINING CENTERS	**2,636**	**312,618**
Japan	1,709	222,756
Germany	91	22,879
United Kingdom	212	16,471
Taiwan	182	13,745
Italy	32	12,253
Singapore	154	7,437
Israel	70	3,175
Thailand	63	2,714
South Korea	40	2,434
Switzerland	6	2,375
Sweden	4	1,204
Canada	8	1,013
Yugoslavia	13	1,003
France	10	966
China	31	850
Other Countries	11	1,341
TOTAL STATION TYPE	**202**	**217,879**
Germany	62	120,479
Japan	47	71,415
Italy	14	9,885
Switzerland	30	6,143
Canada	20	5,104
United Kingdom	3	1,809
South Korea	19	1,809
France	2	760
Other Countries	5	476
TOTAL METAL CUT. N.E.C.	**3,536**	**166,345**
Japan	1,284	85,108
Germany	450	32,454
Switzerland	275	20,715
United Kingdom	73	5,901
Thailand	141	5,663
Canada	361	4,834
Taiwan	465	4,510
Italy	151	3,450
France	38	671
Netherlands	22	648
Austria	106	471
Hong Kong	22	296
Spain	11	251
Australia	15	226
Other Countries	122	1,148
TOTAL PUNCHING & SHEARING	**985**	**57,896**
Japan	196	18,492
Germany	211	14,561
Italy	121	7,108
Finland	17	6,133
Canada	61	2,370
Switzerland	18	2,367
United Kingdom	106	1,916
Belgium	60	1,441
Spain	109	1,304
Netherlands	12	707
Sweden	16	448
Taiwan	23	412
Other Countries	35	635

	Units	Value
TOTAL BENDING & FORMING	**1,707**	**81,238**
Japan	554	31,905
Canada	428	13,885
Germany	119	10,732
Sweden	131	6,034
United Kingdom	54	5,280
Italy	143	4,362
Belgium	40	2,587
Switzerland	52	2,429
Netherlands	24	655
Taiwan	44	650
Finland	29	558
Hungary	3	365
Austria	6	320
Israel	20	319
Other Countries	60	1,156
TOTAL PRESSES	**2,880**	**141,619**
Japan	551	77,948
Brazil	3	18,652
Germany	169	18,139
Canada	257	12,932
Sweden	36	3,268
United Kingdom	64	2,635
Italy	82	1,939
Taiwan	348	1,635
Switzerland	48	1,188
Belgium	4	1,172
China	554	528
Spain	488	308
Mexico	9	270
France	17	257
Other Countries	250	748
TOTAL FORGING MACHINES	**764**	**56,895**
Japan	316	24,348
Germany	131	12,192
Italy	55	6,623
Switzerland	17	2,696
United Kingdom	84	2,485
Yugoslavia	7	1,902
Canada	54	1,499
Taiwan	45	1,498
Belgium	2	1,296
France	7	666
Austria	1	572
Hong Kong	9	461
Other Countries	36	656
TOTAL METAL FORM. N.E.C.	**2,573**	**122,212**
Japan	689	41,478
Germany	390	29,101
Switzerland	360	12,395
Italy	452	11,997
Canada	182	10,042
Spain	46	3,145
Austria	13	2,929
Belgium	37	2,539
United Kingdom	135	2,432
France	118	1,101
Taiwan	71	998
Hungary	5	879
Netherlands	19	830
Other Countries	56	2,346

*Includes new machines valued over $3,025 only
n.e.c. = not elsewhere classified

Source: U.S. Bureau of the Census

1991 EXPORTS

METAL CUTTING

COUNTRY	DECEMBER	NOVEMBER	% CHANGE	TOTAL 1991	TOTAL 1990	% CHANGE
Canada	$7,855,617	$6,042,193	30.0%	$90,498,471	$115,565,907	-21.7%
Mexico	7,732,759	6,673,850	15.9%	62,466,987	54,628,588	14.3%
Germany	3,043,673	4,644,713	-34.5%	58,046,679	61,170,623	-5.1%
Japan	1,985,652	2,150,354	-7.7%	51,142,149	45,475,976	12.5%
South Korea	2,962,522	1,933,290	53.2%	48,633,892	47,156,699	3.1%
China	1,196,582	5,643,634	-78.8%	38,029,981	20,536,729	85.2%
United Kingdom	1,909,232	1,676,553	13.9%	28,859,593	46,248,926	-37.6%
USSR	0	1,399,316	-100.0%	19,325,562	7,910,069	144.3%
France	1,964,684	170,031	1055.5%	18,526,367	8,892,338	108.3%
Italy	2,712,095	2,697,875	0.5%	15,793,949	19,031,887	-17.0%
India	1,360,553	984,421	38.2%	13,685,019	20,870,750	-34.4%
Brazil	773,142	596,559	29.6%	11,766,032	17,567,597	-33.0%
Taiwan	977,633	297,583	228.5%	11,077,677	11,266,988	-1.7%
Venezuela	747,481	868,455	-13.9%	10,976,941	7,232,310	51.8%
Belgium	220,770	298,900	-26.1%	10,293,179	20,115,392	-48.8%
Singapore	1,059,072	470,527	125.1%	8,886,053	8,698,335	2.2%
Switzerland	261,520	643,990	-59.4%	5,396,476	5,727,837	-5.8%
Thailand	3,116,371	35,240	8743.3%	5,325,786	2,271,462	134.5%
Spain	694,911	2,158,026	-67.8%	4,988,292	5,977,411	-16.5%
Indonesia	51,558	32,047	60.9%	4,828,656	443,344	989.1%
Netherlands	515,398	32,989	1462.3%	4,794,169	6,167,757	-22.3%
Australia	192,542	74,546	158.3%	4,254,091	15,732,098	-73.0%
Malaysia	75,358	57,013	32.2%	3,064,438	2,487,036	23.2%
Austria	18,500	28,245	-34.5%	830,247	505,208	64.3%

METAL FORMING

COUNTRY	DECEMBER	NOVEMBER	% CHANGE	TOTAL 1991	TOTAL 1990	% CHANGE
Mexico	$7,660,280	$5,097,959	50.3%	$62,399,093	$54,694,307	14.1%
South Korea	5,595,936	7,100,511	-21.2%	44,572,772	34,687,862	28.5%
Canada	3,665,371	3,613,634	1.4%	44,055,822	67,404,047	-34.6%
Japan	3,669,927	2,725,207	34.7%	43,300,325	38,197,786	13.4%
Germany	2,511,319	2,724,441	-7.8%	42,122,502	30,150,534	39.7%
China	9,345,536	1,398,865	568.1%	32,673,470	16,731,782	95.3%
United Kingdom	1,222,197	552,777	121.1%	29,574,913	37,118,351	-20.3%
France	1,370,256	394,473	247.4%	23,278,734	19,409,176	19.9%
Taiwan	1,967,107	856,611	129.6%	11,204,836	16,981,361	-34.0%
Italy	600,651	168,876	255.7%	10,630,583	9,212,424	15.4%
Thailand	754,480	1,392,359	-45.8%	10,474,510	6,290,394	66.5%
Netherlands	824,048	262,691	213.7%	9,946,077	9,773,883	1.8%
Australia	79,810	100,818	-20.8%	9,665,684	7,408,897	30.5%
Brazil	266,366	32,662	715.5%	8,148,261	10,186,175	-20.0%
Singapore	223,211	91,885	142.9%	6,210,110	6,617,872	-6.2%
Indonesia	560,123	460,499	21.6%	6,003,956	6,924,490	-13.3%
Belgium	675,499	2,135,588	-68.4%	5,846,473	2,757,980	112.0%
Spain	92,071	8,648	964.7%	4,836,592	5,843,202	-17.2%
Venezuela	341,208	739,011	-53.8%	3,299,441	2,543,373	29.7%
Switzerland	97,342	182,805	-46.8%	2,787,429	3,066,484	-9.1%
Malaysia	297,540	17,855	1566.4%	1,721,206	4,634,830	-62.9%
India	64,849	69,360	-6.5%	1,136,007	6,714,720	-83.1%
USSR	293,974	58,182	405.3%	475,040	732,665	-35.2%
Austria	2,682	2,782	-3.6%	434,032	2,472,007	-82.4%

MACHINE TOOL TOTAL

COUNTRY	DECEMBER	NOVEMBER	% CHANGE	TOTAL 1991	TOTAL 1990	% CHANGE
Canada	$11,520,988	$ 9,655,827	19.3%	$134,554,293	$182,969,954	-26.5%
Mexico	15,393,039	11,771,809	30.8%	124,866,080	109,322,895	14.2%
Germany	5,554,992	7,369,154	-24.6%	100,169,181	91,321,157	9.7%
Japan	5,655,579	4,875,561	16.0%	94,442,474	83,673,762	12.9%
South Korea	8,558,458	9,033,801	-5.3%	93,206,664	81,844,561	13.9%
China	10,542,118	7,042,499	49.7%	70,703,451	37,268,511	89.7%
United Kingdom	3,131,429	2,229,330	40.5%	58,434,506	83,367,277	-29.9%
France	3,334,940	564,504	490.8%	41,805,101	28,301,514	47.7%
Italy	3,312,746	2,866,751	15.6%	26,424,532	28,244,311	-6.4%
Taiwan	2,944,740	1,154,194	155.1%	22,282,513	28,248,349	-21.1%
Brazil	1,039,508	629,221	65.2%	19,914,293	27,753,772	-28.2%
USSR	293,974	1,457,498	-79.8%	19,800,602	8,642,734	129.1%
Belgium	896,269	2,434,488	-63.2%	16,139,652	22,873,372	-29.4%
Thailand	3,870,851	1,427,599	171.1%	15,800,296	8,561,856	84.5%
Singapore	1,282,283	562,412	128.0%	15,096,163	15,316,207	-1.4%
India	1,425,402	1,053,781	35.3%	14,821,026	27,585,470	-46.3%
Netherlands	1,339,446	295,680	353.0%	14,740,246	15,941,640	-7.5%
Venezuela	1,088,689	1,607,466	-32.3%	14,276,382	9,775,683	46.0%
Australia	272,352	175,364	55.3%	13,919,775	23,140,995	-39.8%
Indonesia	611,681	492,546	24.2%	10,832,612	7,367,834	47.0%
Spain	786,982	2,166,674	-63.7%	9,824,884	11,820,613	-16.9%
Switzerland	358,862	826,795	-56.6%	8,183,905	8,794,321	-6.9%
Malaysia	372,898	74,868	398.1%	4,785,644	7,121,866	-32.8%
Austria	21,182	31,027	-31.7%	1,264,279	2,977,215	-57.5%

1991 IMPORTS

METAL CUTTING

COUNTRY	DECEMBER	NOVEMBER	% CHANGE	TOTAL 1991	TOTAL 1990	% CHANGE
Japan	$67,290,186	$70,829,888	-5.0%	$788,401,654	$852,567,316	-7.5%
Germany	25,552,848	18,614,952	37.3%	347,319,665	313,039,506	11.0%
Taiwan	6,668,088	6,587,684	1.2%	104,241,433	126,215,640	-17.4%
Switzerland	14,585,126	8,157,318	78.8%	87,741,671	95,371,153	-8.0%
United Kingdom	6,051,578	3,390,960	78.5%	74,315,850	104,992,789	-29.2%
Italy	10,007,117	3,716,725	169.2%	56,248,901	55,015,819	2.2%
Canada	3,577,100	1,974,737	81.1%	20,157,896	21,521,942	-6.3%
South Korea	1,732,437	1,434,671	20.8%	19,168,442	18,129,055	5.7%
France	556,641	631,529	-11.9%	19,038,687	23,971,635	-20.6%
Sweden	1,352,573	1,416,031	-4.5%	17,531,089	16,732,692	4.8%
Spain	512,793	1,153,598	-55.5%	16,367,005	25,534,883	-35.9%
Singapore	1,304,665	1,270,367	2.7%	13,335,115	18,676,922	-28.6%
Brazil	407,398	399,648	1.9%	8,294,292	12,703,745	-34.7%
Belgium	1,686	14,399	-88.3%	1,845,119	1,685,407	9.5%

METAL FORMING

COUNTRY	DECEMBER	NOVEMBER	% CHANGE	TOTAL 1991	TOTAL 1990	% CHANGE
Japan	$14,873,420	$10,188,048	46.0%	$203,043,806	$215,936,189	-6.0%
Germany	6,277,031	5,317,209	18.1%	88,461,487	81,024,617	9.2%
Canada	4,504,506	3,202,461	40.7%	44,674,272	68,392,893	-34.7%
Italy	1,792,931	2,466,824	-27.3%	33,735,420	39,547,317	-14.7%
Switzerland	3,808,772	1,139,191	234.3%	22,672,590	25,925,009	-12.5%
Brazil	55,935	0	NA	19,815,806	204,906	9570.7%
United Kingdom	2,341,770	787,457	197.4%	17,598,928	18,185,562	-3.2%
Sweden	707,215	556,692	27.0%	10,542,639	32,939,256	-68.0%
Belgium	1,400,273	547,874	155.6%	9,950,141	20,764,178	-52.1%
Taiwan	778,736	472,807	64.7%	7,390,484	8,914,627	-17.1%
Spain	2,242,841	218,269	927.6%	5,328,184	4,355,372	22.3%
France	96,548	107,572	-10.2%	2,611,466	3,666,728	-28.8%
Singapore	315,499	0	NA	733,254	485,931	50.9%
South Korea	57,000	5,250	985.7%	598,725	743,516	-19.5%

MACHINE TOOL TOTAL

COUNTRY	DECEMBER	NOVEMBER	% CHANGE	TOTAL 1991	TOTAL 1990	% CHANGE
Japan	$82,163,606	$81,017,936	1.4%	$991,445,460	$1,068,503,505	-7.2%
Germany	31,829,879	23,932,161	33.0%	435,781,152	394,064,123	10.6%
Taiwan	7,446,824	7,060,491	5.5%	111,631,917	135,130,267	-17.4%
Switzerland	18,393,898	9,296,509	97.9%	110,414,261	121,296,162	-9.0%
United Kingdom	8,393,348	4,178,417	100.9%	91,914,778	123,178,351	-25.4%
Italy	11,800,048	6,183,549	90.8%	89,984,321	94,563,136	-4.8%
Canada	8,081,606	5,177,198	56.1%	64,832,168	89,914,835	-27.9%
Brazil	463,333	399,648	15.9%	28,110,098	12,908,651	117.8%
Sweden	2,059,788	1,972,723	4.4%	28,073,728	49,671,948	-43.5%
Spain	2,755,634	1,371,867	100.9%	21,695,189	29,890,255	-27.4%
France	653,189	739,101	-11.6%	21,650,153	27,638,363	-21.7%
South Korea	1,789,437	1,439,921	24.3%	19,767,167	18,872,571	4.7%
Singapore	1,620,164	1,270,367	27.5%	14,068,369	19,162,853	-26.6%
Belgium	1,401,959	562,273	149.3%	11,795,260	22,449,585	-47.5%

1991 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1991		FEBRUARY 1991		MARCH 1991		APRIL 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	5,350	$13,231,937	5,314	$9,384,660	5,918	$12,359,757	5,272	$15,333,596
Boring machines	8	572,189	8	2,689,884	7	490,980	10	781,577
Drilling machines	104	2,125,292	72	2,302,444	98	2,731,002	94	1,177,353
Gear cutting machines	14	7,378,919	23	3,441,470	16	3,898,627	22	6,720,535
Grinding machines	244	5,937,543	272	10,254,977	275	8,387,839	313	11,543,197
NC horizontal lathes	15	2,388,500	33	3,043,968	29	3,419,112	38	4,707,962
NC vertical lathes	1	161,310	2	341,835	6	371,174	1	89,700
Non-NC lathes	37	817,093	46	1,273,108	34	912,266	64	1,399,820
Milling machines	21	1,285,651	27	1,256,940	56	1,629,636	35	6,730,275
Machining centers	18	2,251,834	27	4,699,366	21	6,179,301	33	5,723,799
Station type machines	7	6,763,963	10	16,280,662	3	3,750,445	0	0
Other metal cutting machines	223	7,078,662	278	7,046,503	322	7,317,458	266	6,517,985
Punching & shearing machines	108	4,513,331	79	5,456,279	85	4,584,562	157	4,594,728
Bending & forming machines	116	4,251,882	102	6,952,107	119	7,232,573	120	4,830,552
Presses	293	7,418,063	96	5,734,227	128	4,847,879	168	7,262,958
Forging machines	11	2,746,151	19	5,146,204	21	4,124,370	11	868,133
Other metal forming machines	231	7,030,224	185	7,182,512	193	9,543,993	308	14,549,088
MACHINE TOOL TOTAL	6,801	75,952,544	6,593	92,487,146	7,331	81,780,974	6,912	92,831,258

PRODUCT TYPES	MAY 1991		JUNE 1991		JULY 1991		AUGUST 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	5,847	$14,473,978	6,716	$15,068,308	5,909	$16,595,564	7,211	$21,518,830
Boring machines	9	811,684	29	2,458,144	53	1,485,134	21	1,762,000
Drilling machines	81	1,767,423	182	2,096,676	182	2,218,922	78	1,759,560
Gear cutting machines	39	6,598,232	42	10,858,258	11	4,027,477	7	2,476,528
Grinding machines	285	9,241,644	390	12,599,243	398	11,576,263	308	6,788,528
NC horizontal lathes	19	1,914,295	25	2,373,736	26	2,567,207	23	2,111,735
NC vertical lathes	9	592,211	2	108,000	4	269,504	1	22,000
Non-NC lathes	45	1,357,057	49	2,263,152	27	407,865	35	1,881,608
Milling machines	57	5,134,958	73	6,889,800	57	3,124,857	48	2,636,055
Machining centers	37	5,715,931	24	2,660,799	26	3,139,607	12	948,374
Station type machines	4	3,143,769	6	2,649,559	5	4,718,427	2	80,000
Other metal cutting machines	341	8,257,118	273	9,131,128	198	4,100,231	281	9,631,000
Punching & shearing machines	111	5,445,644	129	3,810,698	132	3,568,471	115	4,809,018
Bending & forming machines	108	5,331,914	257	9,068,216	169	6,262,244	176	6,665,618
Presses	96	6,098,800	210	6,552,960	199	11,252,200	126	7,336,120
Forging machines	40	4,435,634	40	5,388,723	57	8,447,700	38	9,086,436
Other metal forming machines	223	22,718,552	234	11,390,564	225	6,748,375	194	11,311,721
MACHINE TOOL TOTAL	7,351	103,038,844	8,681	105,367,964	7,678	90,510,048	8,676	90,825,131

1991 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	SEPTEMBER 1991		OCTOBER 1991		NOVEMBER 1991		DECEMBER 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	4,681	$13,799,781	4,312	$14,136,772	5,785	$13,836,478	5,310	$19,546,367
Boring machines	3	82,808	8	1,566,411	5	524,907	17	1,693,549
Drilling machines	72	1,649,843	98	1,189,185	90	2,392,865	91	1,975,745
Gear cutting machines	49	6,635,184	32	4,683,694	21	3,679,001	29	5,821,183
Grinding machines	233	5,137,364	252	8,200,926	288	8,309,567	269	9,732,625
NC horizontal lathes	22	2,547,345	36	4,088,207	25	4,655,517	20	2,206,194
NC vertical lathes	1	31,150	2	267,983	1	160,000	1	92,875
Non-NC lathes	49	1,621,326	52	1,694,551	54	1,088,404	49	1,051,630
Milling machines	16	363,774	103	2,701,167	40	1,717,381	42	870,158
Machining centers	37	9,299,241	20	4,843,346	18	11,051,498	24	2,384,335
Station type machines	15	1,103,920	33	6,066,181	14	3,259,172	6	777,170
Other metal cutting machines	215	6,841,529	233	6,192,397	248	5,153,383	296	10,893,775
Punching & shearing machines	117	3,929,919	120	2,900,772	80	4,425,479	124	6,474,376
Bending & forming machines	122	4,852,226	116	4,024,662	98	3,452,373	127	5,041,561
Presses	169	9,193,318	119	7,690,788	116	5,196,177	137	8,113,963
Forging machines	52	3,892,191	39	4,376,386	21	4,523,977	13	1,701,062
Other metal forming machines	171	6,665,077	315	11,517,430	316	12,529,463	349	15,226,551
MACHINE TOOL TOTAL	6,024	77,645,996	5,890	86,140,858	7,220	85,955,642	6,904	93,603,119

PRODUCT TYPES	1991 TOTAL		DECEMBER 1990		1990 TOTAL		% CHANGE NOV'91-DEC'91	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	67,625	$179,286,028	5,617	$9,821,987	61,537	$154,141,660	-8.2%	41.3%
Boring machines	178	14,919,267	7	370,692	154	15,807,631	240.0%	222.6%
Drilling machines	1,242	23,386,310	44	929,408	974	17,997,565	1.1%	-17.4%
Gear cutting machines	305	66,219,108	24	6,435,136	256	58,880,541	36.1%	58.2%
Grinding machines	3,527	107,709,716	391	11,084,336	4,026	130,596,464	-6.6%	17.1%
NC horizontal lathes	311	36,023,778	29	3,450,520	409	43,897,496	-20.0%	-52.6%
NC vertical lathes	31	2,507,742	8	1,097,280	72	13,149,920	0.0%	-42.0%
Non-NC lathes	541	15,767,880	89	1,217,150	790	16,879,868	-9.3%	-3.4%
Milling machines	575	34,340,652	37	987,344	443	34,996,260	5.0%	-49.3%
Machining centers	297	58,897,431	21	3,371,119	388	56,616,369	33.3%	-78.4%
Station type machines	105	48,593,268	11	9,495,480	82	51,075,333	-57.1%	-76.2%
Other metal cutting machines	3,174	88,161,169	284	6,641,302	4,077	78,434,452	19.4%	111.4%
Punching & shearing machines	1,357	54,513,277	179	5,251,720	1,569	65,370,582	55.0%	46.3%
Bending & forming machines	1,630	67,965,928	177	8,308,327	1,859	73,708,356	29.6%	46.0%
Presses	1,857	86,697,453	132	9,144,740	2,032	99,164,973	18.1%	56.2%
Forging machines	362	54,736,967	25	7,031,889	360	51,209,594	-38.1%	-62.4%
Other metal forming machines	2,944	136,413,550	241	7,635,732	3,053	100,563,494	10.4%	21.5%
MACHINE TOOL TOTAL	86,061	1,076,139,524	7,316	92,274,162	82,081	1,062,490,558	-4.4%	8.9%

1991 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	% CHANGE DEC'90–DEC'91		% CHANGE 1990–1991	
	Units	Value	Units	Value
Used & rebuilt & under $3,025	-5.5%	99.0%	9.9%	16.3%
Boring machines	142.9%	356.9%	15.6%	-5.6%
Drilling machines	106.8%	112.6%	27.5%	29.9%
Gear cutting machines	20.8%	-9.5%	19.1%	12.5%
Grinding machines	-31.2%	-12.2%	-12.4%	-17.5%
NC horizontal lathes	-31.0%	-36.1%	-24.0%	-17.9%
NC vertical lathes	-87.5%	-91.5%	-56.9%	-80.9%
Non-NC lathes	-44.9%	-13.6%	-31.5%	-6.6%
Milling machines	13.5%	-11.9%	29.8%	-1.9%
Machining centers	14.3%	-29.3%	-23.5%	4.0%
Station type machines	-45.5%	-91.8%	28.0%	-4.9%
Other metal cutting machines	4.2%	64.0%	-22.1%	12.4%
Punching & shearing machines	-30.7%	23.3%	-13.5%	-16.6%
Bending & forming machines	-28.2%	-39.3%	-12.3%	-7.8%
Presses	3.8%	-11.3%	-8.6%	-12.6%
Forging machines	-48.0%	-75.8%	0.6%	6.9%
Other metal forming machines	44.8%	99.4%	-3.6%	35.6%
MACHINE TOOL TOTAL	-5.6%	1.4%	4.8%	1.3%

1991 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1991		FEBRUARY 1991		MARCH 1991		APRIL 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	71,667	$13,094,991	94,612	$15,968,463	63,827	$14,630,134	91,842	$16,332,717
Boring machines	75	3,212,626	65	3,295,233	55	6,672,018	47	5,623,400
Drilling machines	136	5,284,960	72	2,124,951	105	5,761,640	107	2,964,231
Gear cutting machines	34	7,247,022	30	2,608,872	12	3,256,264	23	6,619,154
Grinding machines	662	23,141,603	464	17,045,322	540	20,820,588	509	26,824,722
NC horizontal lathes	158	17,509,455	251	25,854,656	244	28,306,454	280	25,531,297
NC vertical lathes	9	1,367,349	15	2,253,656	9	2,973,011	15	3,573,928
Non-NC lathes	722	8,815,703	340	4,755,176	312	7,055,881	317	4,534,633
Milling machines	449	12,771,541	257	2,795,380	250	4,970,541	330	9,449,803
Machining centers	293	33,595,255	186	20,649,396	167	23,632,084	179	23,719,564
Station type machines	14	4,189,738	4	1,830,253	5	1,401,630	29	39,822,188
Other metal cutting machines	448	11,368,644	217	12,635,073	254	16,773,980	329	18,589,257
Punching & shearing machines	67	5,697,766	59	1,638,364	89	5,334,266	100	4,429,933
Bending & forming machines	189	6,557,096	183	8,695,550	147	8,228,937	122	3,949,688
Presses	72	16,236,188	317	9,033,944	163	8,995,976	85	51,444,817
Forging machines	59	5,028,586	47	2,528,010	51	5,954,214	44	6,285,995
Other metal forming machines	286	13,786,011	230	15,783,509	277	12,006,374	243	13,702,533
MACHINE TOOL TOTAL	75,340	188,904,534	97,349	149,495,808	66,507	176,773,992	94,601	263,397,860

PRODUCT TYPES	MAY 1991		JUNE 1991		JULY 1991		AUGUST 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	61,461	$13,487,177	60,137	$11,892,444	55,148	$13,352,862	74,318	$11,870,677
Boring machines	53	7,001,111	55	3,314,472	51	3,685,439	45	1,801,332
Drilling machines	79	6,287,879	146	3,825,684	73	2,839,334	86	2,335,487
Gear cutting machines	91	4,865,147	57	3,552,435	32	3,543,870	19	3,725,410
Grinding machines	515	14,511,571	382	13,752,180	468	18,779,695	386	21,596,437
NC horizontal lathes	197	20,692,781	196	20,231,721	199	18,351,920	227	23,514,958
NC vertical lathes	2	1,159,139	6	908,254	10	2,266,809	13	3,920,266
Non-NC lathes	442	10,258,079	402	8,630,438	555	6,940,660	308	4,206,757
Milling machines	226	5,441,990	328	6,999,359	374	6,736,063	292	4,643,995
Machining centers	194	22,775,311	221	26,931,681	249	23,528,172	203	25,034,478
Station type machines	21	31,098,633	18	37,041,344	8	8,078,447	17	17,487,258
Other metal cutting machines	252	18,837,312	314	9,426,321	298	12,496,402	289	12,912,572
Punching & shearing machines	109	4,442,498	74	5,337,144	106	5,805,391	84	4,603,173
Bending & forming machines	124	7,388,462	129	5,919,854	156	7,413,619	131	4,386,000
Presses	301	9,718,955	131	5,872,448	102	5,129,418	307	6,092,772
Forging machines	152	6,220,779	69	5,986,386	35	1,841,002	87	6,995,815
Other metal forming machines	172	10,036,703	180	9,024,713	194	9,644,967	131	9,510,828
MACHINE TOOL TOTAL	64,391	194,223,527	62,845	178,646,878	58,058	150,434,070	76,943	164,638,215

1991 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	SEPTEMBER 1991		OCTOBER 1991		NOVEMBER 1991		DECEMBER 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	68,503	$12,925,407	94,403	$14,087,197	111,175	$14,918,645	87,700	$13,131,141
Boring machines	64	4,555,634	66	6,256,498	31	5,254,256	31	4,016,207
Drilling machines	61	2,902,483	55	2,816,039	93	1,899,550	50	1,853,712
Gear cutting machines	11	1,036,962	28	4,458,812	16	1,227,250	11	1,092,631
Grinding machines	413	25,438,841	432	18,082,688	406	18,842,149	449	20,212,495
NC horizontal lathes	141	15,597,511	169	19,056,907	206	18,777,045	193	20,332,252
NC vertical lathes	11	3,650,775	10	4,071,036	5	1,848,978	11	2,994,542
Non-NC lathes	299	5,939,533	427	6,345,190	269	3,372,968	352	8,374,323
Milling machines	196	2,605,184	283	3,472,283	170	3,332,917	126	8,284,052
Machining centers	261	32,637,026	253	27,719,237	217	23,682,408	213	28,713,125
Station type machines	12	12,689,422	19	19,071,415	17	18,596,910	38	26,572,121
Other metal cutting machines	257	11,639,564	258	13,628,425	343	16,455,159	277	11,581,840
Punching & shearing machines	75	5,842,087	85	6,594,446	69	4,166,222	68	4,004,218
Bending & forming machines	121	6,484,435	116	4,516,959	131	6,756,793	158	10,940,152
Presses	601	4,173,370	307	9,947,795	95	4,932,849	399	10,040,316
Forging machines	19	5,358,263	62	6,036,144	58	2,484,812	81	2,175,197
Other metal forming machines	123	5,429,895	157	5,966,043	383	6,109,370	197	11,210,788
MACHINE TOOL TOTAL	71,168	158,906,392	97,130	172,127,114	113,684	152,658,291	90,354	185,529,112

PRODUCT TYPES	1991 TOTAL		DECEMBER 1990		1990 TOTAL		% CHANGE NOV'91-DEC'91	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	934,793	$165,691,855	81,837	$15,246,777	972,443	$157,204,064	-21.1%	-12.0%
Boring machines	638	54,688,226	54	4,190,094	662	44,547,286	0.0%	-23.6%
Drilling machines	1,063	40,895,960	115	1,602,810	1,442	43,700,697	-46.2%	-2.4%
Gear cutting machines	364	43,233,829	53	6,613,058	526	56,794,974	-31.3%	-11.0%
Grinding machines	5,626	239,048,291	626	34,357,642	8,449	300,118,744	10.6%	7.3%
NC horizontal lathes	2,461	253,756,957	114	13,105,549	2,941	289,649,142	-6.3%	8.3%
NC vertical lathes	116	30,987,743	4	419,200	175	27,887,284	120.0%	62.0%
Non-NC lathes	4,745	79,229,341	724	12,100,861	8,388	118,630,185	30.9%	148.3%
Milling machines	3,231	71,503,108	357	3,618,186	5,312	82,032,330	-25.9%	148.6%
Machining centers	2,636	312,617,737	214	29,511,442	3,021	399,901,806	-1.8%	21.2%
Station type machines	202	217,879,359	11	2,388,079	172	82,841,076	123.5%	42.9%
Other metal cutting machines	3,536	166,344,549	352	14,550,273	4,795	194,400,896	-19.2%	-29.6%
Punching & shearing machines	985	57,895,508	81	3,226,303	1,643	76,484,396	-1.4%	-3.9%
Bending & forming machines	1,707	81,237,545	135	6,615,138	2,169	93,971,772	20.6%	61.9%
Presses	2,880	141,618,848	171	19,020,684	3,527	124,007,535	320.0%	103.5%
Forging machines	764	56,895,203	80	7,190,174	988	64,475,469	39.7%	-12.5%
Other metal forming machines	2,573	122,211,734	267	14,347,226	2,801	148,435,400	-48.6%	83.5%
MACHINE TOOL TOTAL	968,370	2,135,735,793	85,195	188,103,496	1,019,454	2,305,083,056	-20.5%	21.5%

1991 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	% CHANGE DEC'90–DEC'91		% CHANGE 1990–1991	
	Units	Value	Units	Value
Used & rebuilt & under $3,025	7.2%	-13.9%	-3.9%	5.4%
Boring machines	-42.6%	-4.1%	-3.6%	22.8%
Drilling machines	-56.5%	15.7%	-26.3%	-6.4%
Gear cutting machines	-79.2%	-83.5%	-30.8%	-23.9%
Grinding machines	-28.3%	-41.2%	-33.4%	-20.3%
NC horizontal lathes	69.3%	55.1%	-16.3%	-12.4%
NC vertical lathes	175.0%	614.3%	-33.7%	11.1%
Non–NC lathes	-51.4%	-30.8%	-43.4%	-33.2%
Milling machines	-64.7%	129.0%	-38.2%	-12.8%
Machining centers	-0.5%	-2.7%	-12.7%	-21.8%
Station type machines	245.5%	1012.7%	17.4%	163.0%
Other metal cutting machines	-21.3%	-20.4%	-26.3%	-14.4%
Punching & shearing machines	-16.0%	24.1%	-40.0%	-24.3%
Bending & forming machines	17.0%	65.4%	-21.3%	-13.6%
Presses	133.3%	-47.2%	-18.3%	14.2%
Forging machines	1.3%	-69.7%	-22.7%	-11.8%
Other metal forming machines	-26.2%	-21.9%	-8.1%	-17.7%
MACHINE TOOL TOTAL	6.1%	-1.4%	-5.0%	-7.3%

A3179-3

U.S. EXPORTS
Metal Cutting Machine Tools - December 91

RELEASED: March 4, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	138	9976	11	1127
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	72	12190	2	248
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	20	12652	0	0
100035	Horizontal machining centers, ATC	45	16054	0	0
100045	Machining centers, n.e.c.	160	18002	22	2137
200010	Unit construction mach. (single station transfer), NC	7	3404	0	0
200090	Unit construction mach. (single station transfer), non-NC	13	3090	0	0
300010	Multi-station transfer machines, NC	8	14559	0	0
300090	Multi-station transfer machines, non-NC	73	27284	6	777
8458110010	Horizontal lathes, multiple spindle, NC	45	6033	4	474
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	199	17451	11	973
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	36	5892	5	759
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	31	6647	0	0
190030	Horizontal engine or toolroom lathes, non-NC	38	593	1	5
190050	Automatic bar and/or chucking mach., single spindle, non-NC	19	309	0	0
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	51	3382	2	116
190090	Horizontal lathes, n.e.c., non-NC	325	7385	34	422
911060	Vertical turret lathes, multiple spindle, NC	1	45	0	0
911080	Vertical turret lathes, n.e.c., NC	3	644	0	0
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	27	1818	1	93
991050	Vertical turret lathes, non-NC	30	1069	2	62
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	78	3030	10	446
8459100000	Way-type unit head machines	4	257	0	0
210080	Other drilling machines, NC	180	13852	12	1007
290040	Drilling machines, multiple spindle, non-NC	4	474	1	94
290050	Drilling machines, radial, non-NC	39	1291	8	351
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	30	989	2	7
290090	Drilling machines, n.e.c., non-NC	989	6780	68	518
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	2	1280	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	7	4062	0	0
310070	Boring-milling machines, n.e.c., NC	25	1836	2	264
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	4	253	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	18	664	3	307
400040	Boring machines, vertical, NC	7	670	0	0
400050	Boring machines, vertical, non-NC	33	1595	1	13
400070	Boring machines, n.e.c., NC	11	1234	10	1086
400080	Boring machines, n.e.c., non-NC	71	3325	1	23
510080	Milling machines, knee type, NC	27	1919	3	145
590030	Milling machines, knee type, non-NC	106	3865	11	313
610080	Milling machines, excluding knee type, n.e.c., NC	66	18420	1	125
690050	Milling machines, profile, dup., or die sinking, non-NC	5	34	0	0
690070	Milling machines, bed type, non-NC	2	69	0	0
690090	Milling machines, n.e.c., non-NC	369	10034	27	287
700020	Threading or tapping machines, n.e.c., NC	77	2798	18	438
700080	Threading or tapping machines, n.e.c., non-NC	274	8999	22	675
8460110080	Flat surface grinding machines, NC	82	5302	13	653
190010	Flat surface grinding mach., recip.-table type, non-NC	64	881	1	10
190050	Flat surface grinding machines, n.e.c., non-NC	36	4742	2	164
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	113	36736	5	2359
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	34	5144	1	50
290030	Grinding machines, internal cylindrical, non-NC	44	5307	12	1650
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	360	12232	18	1375
310080	Sharpening machines (tool & cutter grinding), NC	31	2120	4	133
390050	Sharpening machines (tool & cutter grinding), non-NC	873	8213	63	484
400060	Honing or lapping machines, NC	13	974	0	0
400080	Honing or lapping machines, non-NC	484	7119	14	176
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	13	1704	3	488
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	1380	17237	133	2191
8461100060	Planing machines, NC	2	219	0	0
100080	Planing machines, non-NC	207	6467	42	356
200010	Shaping or slotting machines, NC	17	1633	0	0
200090	Shaping or slotting machines, non-NC	29	756	0	0
300060	Broaching machines, NC	12	2732	3	1536
300080	Broaching machines, non-NC	43	4856	2	2239
401050	Gear hobbers	94	7608	20	1015
401070	Gear shapers	13	1445	0	0
401090	Gear cutting machines, n.e.c.	101	47957	7	4736
405060	Gear grinding or finishing machines	97	9209	2	70
500050	Sawing or cutting-off machines, NC	114	5814	9	388
500090	Sawing or cutting-off machines, non-NC	1358	17212	103	1671
9000000001	Metal cutting machine tools, n.e.c.	903	26700	86	2463
9800000001	Used or rebuilt machine tools	6816	76636	429	6594
9900000001	Machine tools valued at less than $3,025	42191	24624	3457	2025
	Cutting Total			4730	46118
	Y-T-D Cutting Total	59293	597786		
	NC Y-T-D Cutting Total*	1773	240853		

Please see notes on last page
of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - December 91

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	2	489
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	13	1474
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	1	264
8458110010	0	0	0	0	0	0	0	0	2	287
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	2	328
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	1	63
190090	0	0	0	0	0	0	2	26	1	47
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	1	94
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	2	7
290090	0	0	0	0	0	0	0	0	47	256
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	2	303
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	1	13
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	2	116
590030	0	0	0	0	0	0	0	0	3	84
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	1	13
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	2	100	0	0	6	40
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	1	10
190050	0	0	0	0	0	0	0	0	1	64
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	2	83	0	0
290050	0	0	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	14	134
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	1	19	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	1	47
900080	3	21	0	0	0	0	0	0	16	145
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	30	107	1	75
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	1	1970
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	1	179
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	5	288
500090	4	65	0	0	5	84	0	0	10	127
9000000001	1	14	0	0	0	0	2	551	31	558
9800000001	4	16	0	0	1	5	0	0	81	231
9900000001	111	77	0	0	30	32	11	7	139	150
Month Tot	123	193	1	19	38	221	47	773	389	7856
Y-T-D Tot	1072	4254	116	830	1014	10293	1403	11766	5718	90498
NC YTD Tot*	9	1285	0	0	48	5518	30	4252	350	47592

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - December 91

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	2	163	0	0	0	0
8457100015	0	0	0	0	2	248	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	1	85	2	191	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	1	53	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	7	203	0	0	1	27
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	7	331	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	1	3
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	5	375	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	2	378	1	843	0	0	0	0
290010	0	0	0	0	1	50	0	0	0	0
290030	2	712	0	0	0	0	1	173	0	0
290050	0	0	0	0	3	109	0	0	0	0
310080	0	0	4	133	0	0	0	0	0	0
390050	0	0	0	0	8	46	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	1	25	7	82	26	283	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	1	19	1	30	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	1	1181	1	675	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	1	15	0	0	10	140	0	0	1	22
9000000001	0	0	0	0	0	0	0	0	0	0
9800000001	0	0	1	4	10	101	92	849	0	0
9900000001	11	10	104	33	36	23	1	3	0	0
Month Tot	20	1197	116	1965	96	3044	121	1361	3	52
Y-T-D Tot	763	38030	1500	18526	3394	58047	955	13685	102	4829
NC YTD Tot*	86	27101	60	7850	232	31866	13	2466	4	749

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - December 91

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	1	80
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	5	514
8458110010	0	0	0	0	0	0	0	0	1	86
110030	0	0	6	466	0	0	0	0	1	92
110050	0	0	0	0	0	0	0	0	2	244
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	1	5
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	5	54
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	1	93
991050	0	0	0	0	0	0	0	0	2	62
995090	0	0	0	0	0	0	0	0	10	446
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	2	120
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	2	12	0	0	0	0	16	191
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	2	264
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	4
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	23
510080	0	0	0	0	0	0	0	0	1	30
590030	0	0	0	0	1	18	0	0	3	111
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	5	53	0	0	0	0	5	42
700020	14	350	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	2	7
8460110080	0	0	0	0	0	0	1	39	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	540	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	9	965
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	16	152	0	0	0	0	25	152
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	2	441
900080	0	0	11	249	3	36	0	0	17	215
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	1	23	0	0	0	0	1	13
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	3	1536
300080	0	0	0	0	1	269	0	0	0	0
401050	9	472	0	0	9	483	0	0	2	61
401070	0	0	0	0	0	0	0	0	0	0
401090	1	1160	1	58	2	1483	0	0	0	0
405060	0	0	0	0	2	70	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	14	211	1	18	0	0
9000000001	2	655	5	28	2	24	0	0	2	13
9800000001	5	47	20	252	2	3	2	9	84	1621
9900000001	17	28	485	153	275	366	6	9	390	249
Month Tot	48	2712	553	1986	311	2963	10	75	597	7733
Y-T-D Tot	955	15794	5951	51142	3633	48634	304	3064	10913	62467
NC YTD Tot*	40	5222	132	14797	69	12212	7	226	224	23338

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - December 91

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	6	412	0	0	0	0	1	63	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	3	250	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	578
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	1	19
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	1	24
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	3	369	2	30	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	1	38	0	0	0	0
290050	0	0	0	0	1	60	0	0	4	130
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	4	42	3	33
900060	0	0	0	0	0	0	0	0	0	0
900080	1	6	2	702	0	0	0	0	12	116
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	1	7	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	4	100	0	0
500090	1	8	1	10	9	160	0	0	2	30
9000000001	10	56	2	13	1	13	0	0	0	0
9800000001	11	15	0	0	1	3	1	3	1	4
9900000001	22	18	151	77	82	52	25	23	306	44
Month Tot	51	515	160	1059	98	695	37	262	331	978
Y-T-D Tot	663	4794	3269	8886	420	4988	844	5396	1570	11078
NC YTD Tot*	17	2320	27	2585	8	841	24	2595	28	3837

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - December 91

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	3	182	0	0	0	0	2	150
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	1	101
110030	0	0	1	139	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	1	187
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	26	296
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	80
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	2	55
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	10	1086
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	1	26	0	0	0	0	2	49
610080	0	0	0	0	0	0	0	0	1	125
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	37	0	0	13	109	2	34
700020	0	0	0	0	0	0	0	0	4	88
700080	0	0	0	0	0	0	1	110	6	19
8460110080	0	0	5	165	0	0	0	0	2	74
190010	0	0	0	0	0	0	0	0	0	0
190050	1	100	0	0	0	0	0	0	0	0
210080	0	0	1	598	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	6	645
290050	0	0	1	111	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	4	76	0	0	0	0	0	0	2	7
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	4	35	0	0	18	175	12	101
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	2	19	0	0	2	16	2	47
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	10	168	0	0	0	0	34	614
9000000001	0	0	9	172	0	0	7	118	12	249
9800000001	15	2893	24	177	0	0	11	137	63	224
9900000001	191	47	463	80	0	0	194	83	407	461
Month Tot	211	3116	525	1909	0	0	246	747	598	4690
Y-T-D Tot	1049	5326	4414	28860	185	19326	1468	10977	7617	58296
NC YTD Tot*	18	1106	146	12726	5	456	19	1948	176	19965

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
December 91

RELEASED: March 4, 1992

Metal Forming Machine Tools

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	367	7076	85	541
8462100030	Headers and upsetters, including cold headers	60	23669	5	753
100050	Forging or die stamping machines, and hammers, n.e.c.	302	31068	8	948
210080	Bending, folding, straight. or flat. mach., incl presses, NC	265	24808	26	1604
290030	Press brakes, non-NC	122	3598	25	397
290040	Bending rolls, non-NC	54	1832	3	528
290050	Bending, folding, straight., or flat., n.e.c., non-NC	1189	37728	73	2513
310080	Shearing machines, NC	96	7614	3	150
390050	Shearing machines, non-NC	354	10364	31	1585
410080	Punching or notching mach., incl. comb. punch & shear, NC	132	18489	10	2401
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	775	18046	80	2338
910060	Hydraulic presses, NC	26	964	1	8
910090	Hydraulic presses, non-NC	593	19171	75	1796
990030	Presses, n.e.c., NC	193	11570	4	307
990040	Presses, mechanical, non-NC	145	14271	9	2774
990060	Presses, n.e.c., non-NC	900	40722	48	3228
8463100080	Draw benches for bars, tubes, profiles, wire or the like	234	7295	16	228
200080	Thread rolling machines	57	1749	6	139
300080	Machines for working wire	751	22544	51	2185
900080	Metal forming machine tools, n.e.c.	1535	97749	191	12134
9800000002	Used or rebuilt machine tools	3207	65970	172	10011
9900000002	Machine tools valued at less than $3,025	15411	12056	1252	917
	Forming Total			2174	47485
	Y-T-D Forming Total	26768	478353		
	NC Y-T-D Forming Total	712	63445		
	Cutting and Forming Totals:				
	Monthly Total			6904	93603
	Y-T-D Total	86061	1076140		
	NC Y-T-D Total*	2485	304298		

Other Manufacturing Technology

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	675905	0	56871
2000000000	Parts for working rubber or plastics - heading 8477	0	255532	0	19628
2710003070	Quenching or cutting oils	0	6874	0	745
8428900010	Industrial robots for lifting, handling, loading or unload	710	9564	134	2259
8431390090	Parts industrial robots, handling and loading - heading 8428	0	97270	0	9746
8456100000	Laser, light or photon beam for working any material	565	34149	31	1001
200000	Ultrasonic process for working any material	70	3970	12	1684
8477106010	Injection molding mach., for rubber or oth. thermosetting	251	19596	5	349
106070	Injection molding machines, for thermoplastics	533	56080	38	2902
200005	Extruders; rubber or other thermosetting mat., single screw	126	9003	20	1623
200015	Extruders; rubber or thermosetting, other incl. multi. screw	130	11071	9	635
200030	Extruders; thermoplastics, single screw	496	28575	47	4020
200060	Extruders; thermoplastics, other incl. multi. screw	99	9268	18	1051
300000	Blow molding machines	599	37077	53	4727
400000	Vacuum-molding and other thermoforming machines	1237	9535	173	808
510010	Machines for molding or retreading pneumatic tires	2630	18241	68	1226
510090	Machines for molding or otherwise forming inner tubes	670	13093	37	835
590000	Machines for molding or otherwise forming n.e.c.	1850	32223	274	3698
800000	Machines for working rubber or plastics n.e.c.	4595	89459	279	12029
8479899040	Industrial robots, n.e.c.	5728	69263	533	6001
908040	Industrial robot parts	0	37355	0	5228
8537100030	Numerical controls for controlling machine tools	1597	22996	151	2098
9024100000	Machines and appliances for testing metals	0	68988	0	5499
9031100000	Machines for balancing mechanical parts	0	30800	0	3438
300000	Profile projectors	0	5223	0	422
9032810040	Industrial process control instr., hydraulic or pneumatic	841922	50668	51710	3458

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
*** "NC Y-T-D Total" does not include code 8456300000.**
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
December 91

Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	1	94
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	1	32	0	0	1	24	5	242	3	668
290030	0	0	0	0	0	0	0	0	5	75
290040	0	0	0	0	0	0	0	0	1	11
290050	0	0	0	0	16	560	0	0	15	581
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	3	63
410080	0	0	0	0	0	0	0	0	3	870
490050	0	0	0	0	0	0	0	0	6	166
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	1	24	0	0
990030	0	0	0	0	1	62	0	0	0	0
990040	0	0	0	0	0	0	0	0	3	75
990060	0	0	0	0	0	0	0	0	3	22
8463100080	0	0	0	0	0	0	0	0	1	8
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	3	366
900080	0	0	0	0	0	0	0	0	5	59
9800000002	1	13	0	0	1	12	0	0	29	497
9900000002	40	36	3	3	19	17	0	0	124	110
Month Tot	42	80	3	3	38	675	6	266	205	3665
Y-T-D Tot	556	9666	23	434	417	5846	243	8148	3264	44056
NC YTD Tot	5	241	3	99	26	829	24	1923	85	10277
C&F Month	165	272	4	21	76	896	53	1040	594	11521
C&F Y-T-D	1628	13920	139	1264	1431	16140	1646	19914	8982	134554
C&F NC YTD*	14	1527	3	99	74	6347	54	6175	435	57869

Other Manufacturing Technology

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	872	0	181	0	950	0	2657	0	12884
2000000000	0	81	0	62	0	404	0	1740	0	4638
2710003070	0	4	0	0	0	0	0	0	0	48
8428900010	0	0	0	0	2	4	11	21	42	418
8431390090	0	50	0	0	0	154	0	56	0	791
8456100000	0	0	0	0	2	29	0	0	19	454
200000	0	0	0	0	0	0	0	0	2	1456
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	1	100	0	0	0	0	6	377
200005	0	0	0	0	0	0	13	318	3	290
200015	0	0	0	0	0	0	0	0	9	635
200030	0	0	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	2	753
400000	0	0	0	0	0	0	3	134	2	108
510010	2	24	0	0	0	0	12	309	1	41
510090	4	6	0	0	0	0	0	0	0	0
590000	2	33	0	0	5	72	1	26	1	23
800000	1	19	6	98	1	42	2	30	48	4190
8479899040	26	158	0	0	7	43	0	0	366	2183
908040	0	28	0	18	0	9	0	14	0	3674
8537100030	0	0	1	9	2	33	0	0	13	133
9024100000	0	8	0	14	0	52	0	35	0	671
9031100000	0	53	0	0	0	0	0	12	0	390
1300000	0	0	0	0	0	0	0	0	0	68
9032810040	2462	152	10	11	206	22	135	18	1248	209

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
December 91

Metal Forming

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	4	49	62	118	1	6	0	0
8462100030	0	0	0	0	4	712	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	1	23	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	3	68	2	61	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	1	160	0	0	0	0	0	0
490050	0	0	2	207	27	274	0	0	0	0
910060	0	0	1	8	0	0	0	0	0	0
910090	1	7	0	0	3	33	0	0	17	560
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	1	631	0	0	0	0	0	0
990060	0	0	0	0	5	1100	0	0	0	0
8463100080	0	0	0	0	9	82	0	0	0	0
200080	0	0	6	139	0	0	0	0	0	0
300080	0	0	0	0	2	20	0	0	0	0
900080	5	2813	1	13	2	35	9	52	0	0
9800000002	6	6500	1	76	0	0	0	0	0	0
9900000002	1	3	19	18	81	75	7	6	0	0
Month Tot	14	9346	39	1370	197	2511	17	65	17	560
Y-T-D Tot	401	32673	975	23279	1976	42123	191	1136	184	6004
NC YTD Tot	28	2588	37	2922	37	4064	2	170	1	23
C&F Month	34	10542	155	3335	293	5555	138	1425	20	612
C&F Y-T-D	1164	70703	2475	41805	5370	100169	1146	14821	286	10833
C&F NC YTD*	114	29689	97	10772	269	35930	15	2635	5	772

Other Manufacturing Technology

1000000000	0	1333	0	1126	0	5219	0	757	0	81
2000000000	0	49	0	675	0	886	0	91	0	90
2710003070	0	0	0	40	0	0	0	0	0	124
8428900010	0	0	17	165	1	4	0	0	0	0
8431390090	0	205	0	47	0	18	0	81	0	459
8456100000	0	0	0	0	2	94	0	0	0	0
200000	0	0	1	14	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	0	0	7	559	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	1	1816	0	0	2	42	0	0	0	0
200060	0	0	0	0	1	65	0	0	0	0
300000	0	0	0	0	9	170	0	0	0	0
400000	0	0	35	13	0	0	1	62	1	53
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	0	0	1	592	0	0	0	0
590000	10	163	0	0	3	167	0	0	0	0
800000	8	626	0	0	3	804	0	0	0	0
8479899040	0	0	9	420	14	1433	0	0	0	0
908040	0	129	0	15	0	368	0	0	0	0
8537100030	4	134	11	127	8	117	0	0	0	0
9024100000	0	681	0	68	0	245	0	0	0	0
9031100000	0	10	0	0	0	12	0	831	0	0
300000	0	0	0	0	0	24	0	0	0	0
9032810040	0	0	3624	194	7513	494	1118	40	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
December 91

Metal Forming

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	2	25	1	15	0	0	3	38
8462100030	0	0	0	0	0	0	0	0	1	42
100050	2	108	0	0	0	0	0	0	2	126
210080	0	0	1	23	1	28	4	158	3	115
290030	0	0	0	0	0	0	0	0	16	133
290040	0	0	0	0	0	0	0	0	1	305
290050	0	0	6	155	4	115	0	0	13	603
310080	0	0	0	0	0	0	0	0	2	113
390050	0	0	0	0	5	76	0	0	8	1085
410080	0	0	0	0	1	75	0	0	2	586
490050	2	133	1	154	15	184	0	0	9	110
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	6	205	0	0	0	0	35	704
990030	1	213	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	3	1385
990060	0	0	0	0	6	192	0	0	16	428
8463100080	0	0	1	17	0	0	0	0	2	48
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	2	25	6	1145	0	0	6	315
900080	3	133	79	2823	35	3499	1	129	7	100
9800000002	1	14	1	167	12	240	0	0	69	1245
9900000002	0	0	220	75	32	27	11	10	292	181
Month Tot	9	601	319	3670	118	5596	16	298	490	7660
Y-T-D Tot	601	10631	1937	43300	1108	44573	210	1721	5525	62399
NC YTD Tot	8	877	54	5577	44	4980	5	187	87	8719
C&F Month	57	3313	872	5656	429	8558	26	373	1087	15393
C&F Y-T-D	1556	26425	7888	94442	4741	93207	514	4786	16438	124866
C&F NC YTD*	48	6099	186	20374	113	17191	12	414	311	32058

Other Manufacturing Technology

1000000000	0	927	0	4998	0	1792	0	350	0	3495
2000000000	0	533	0	1377	0	584	0	76	0	1449
2710003070	0	0	0	16	0	0	0	13	0	12
8428900010	0	0	7	57	44	1084	0	0	7	473
8431390090	0	3	0	290	0	170	0	0	0	495
8456100000	0	0	3	66	0	0	0	0	1	80
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	4	299
106070	0	0	2	93	2	261	0	0	8	655
200005	0	0	0	0	0	0	0	0	3	990
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	1	21	1	31	0	0	22	539
200060	0	0	0	0	0	0	0	0	6	156
300000	4	568	1	13	0	0	0	0	5	1312
400000	0	0	9	22	0	0	0	0	9	241
510010	0	0	0	0	0	0	0	0	14	434
510090	0	0	1	9	0	0	0	0	1	30
590000	2	28	6	82	0	0	0	0	110	888
800000	8	425	16	153	12	1051	17	61	60	985
8479899040	1	16	1	20	14	404	0	0	4	533
908040	0	0	0	336	0	4	0	0	0	3
8537100030	4	44	3	35	13	166	0	0	2	35
9024100000	0	197	0	1414	0	570	0	37	0	298
9031100000	0	0	0	31	0	1597	0	0	0	123
300000	0	0	0	0	0	217	0	0	0	0
9032810040	553	78	666	59	334	36	693	48	876	154

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
December 91

Metal Forming

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	2	33	3	78	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	2	64	0	0	3	49	0	0
310080	0	0	1	38	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	2	673
490050	0	0	0	0	0	0	0	0	1	8
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	10	763	1	18	0	0	0	0	1	7
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	1	15	0	0
900080	4	28	0	0	0	0	0	0	6	1272
9800000002	0	0	4	4	4	89	1	14	0	0
9900000002	0	0	61	21	4	3	24	20	7	6
Month Tot	16	824	72	223	8	92	29	97	17	1967
Y-T-D Tot	855	9946	572	6210	169	4837	382	2787	311	11205
NC YTD Tot	20	2132	18	1219	6	283	3	181	49	4031
C&F Month	67	1339	232	1282	106	787	66	359	348	2945
C&F Y-T-D	1518	14740	3841	15096	589	9825	1226	8184	1881	22283
C&F NC YTD*	37	4452	45	3804	14	1124	27	2776	77	7868

Other Manufacturing Technology

1000000000	0	441	0	1056	0	486	0	774	0	1725
2000000000	0	836	0	442	0	71	0	125	0	174
2710003070	0	6	0	3	0	0	0	14	0	0
8428900010	0	0	0	0	0	0	0	0	0	0
8431390090	0	217	0	54	0	41	0	46	0	243
8456100000	1	110	0	0	0	0	0	0	2	150
200000	0	0	0	0	0	0	0	0	0	0
8477106010	1	50	0	0	0	0	0	0	0	0
106070	1	110	2	211	0	0	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	1	242	0	0	0	0
400000	0	0	92	121	0	0	0	0	0	0
510010	1	30	1	10	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	2	19	0	0	21	15	0	0	81	1372
800000	2	36	4	320	3	911	0	0	3	54
8479899040	1	15	21	155	5	29	5	29	0	0
908040	0	132	0	16	0	0	0	199	0	0
8537100030	6	56	0	0	2	20	1	8	4	57
9024100000	0	45	0	18	0	56	0	37	0	119
9031100000	0	0	0	19	0	0	0	28	0	13
300000	0	0	0	7	0	0	0	6	0	31
9032810040	4679	309	994	77	2192	120	100	8	1532	102

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
December 91

Metal Forming

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	1	54	0	0	2	10	3	20
8462100030	0	0	0	0	0	0	0	0	0	0
100050	2	641	1	36	0	0	0	0	1	36
210080	0	0	0	0	0	0	1	32	5	258
290030	0	0	0	0	0	0	2	100	2	89
290040	0	0	0	0	0	0	0	0	1	212
290050	0	0	5	239	0	0	0	0	4	18
310080	0	0	0	0	0	0	0	0	0	0
390050	1	10	0	0	2	27	0	0	12	324
410080	0	0	1	36	0	0	0	0	0	0
490050	0	0	1	37	4	267	0	0	12	796
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	10	224	0	0	0	0	2	39
990030	0	0	0	0	0	0	0	0	2	32
990040	0	0	0	0	0	0	0	0	2	683
990060	0	0	1	334	0	0	0	0	5	363
8463100080	0	0	0	0	0	0	0	0	3	73
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	2	74	29	225
900080	1	48	0	0	0	0	0	0	33	1128
9800000002	2	39	7	180	0	0	4	125	29	797
9900000002	13	17	88	81	0	0	0	0	206	209
Month Tot	19	754	115	1222	6	294	11	341	351	5303
Y-T-D Tot	492	10475	1708	29575	10	475	444	3299	4214	63555
NC YTD Tot	15	1447	56	2432	3	155	6	274	90	7814
C&F Month	230	3871	640	3131	6	294	257	1089	949	9994
C&F Y-T-D	1541	15800	6122	58435	195	19801	1912	14276	11831	121851
C&F NC YTD*	33	2553	202	15158	8	611	25	2222	266	27779

Other Manufacturing Technology

1000000000	0	627	0	2996	0	10	0	1219	0	9916
2000000000	0	458	0	1188	0	0	0	445	0	3156
2710003070	0	4	0	0	0	88	0	63	0	312
8428900010	0	0	3	23	0	0	0	0	0	0
8431390090	0	1542	0	320	0	20	0	225	0	4221
8456100000	0	0	0	0	0	0	0	0	1	18
200000	9	213	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	1	37	0	0	0	0	0	0	8	499
200005	0	0	0	0	0	0	0	0	1	26
200015	0	0	0	0	0	0	0	0	0	0
200030	2	62	1	204	0	0	2	285	15	1021
200060	0	0	0	0	0	0	0	0	11	830
300000	0	0	15	278	0	0	0	0	16	1392
400000	0	0	0	0	0	0	0	0	21	55
510010	0	0	0	0	0	0	22	52	15	325
510090	0	0	0	0	0	0	0	0	30	198
590000	0	0	2	605	0	0	0	0	28	204
800000	0	0	10	150	0	0	4	565	71	1509
8479899040	0	0	6	36	0	0	8	50	45	476
908040	0	0	0	118	0	0	0	45	0	120
8537100030	1	13	44	679	0	0	1	9	31	424
9024100000	0	12	0	418	0	0	0	10	0	495
9031100000	0	0	0	0	0	0	0	0	0	320
300000	0	0	0	0	0	0	0	0	0	69
9032810040	0	0	8306	557	0	0	252	53	14217	717

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
December 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	0	0	0	0	0	0
Denmark	0	0	4	3	4	3
Finland	1	50	4	3	5	53
Greece	0	0	0	0	0	0
Hungary	2	74	0	0	2	74
Iceland	0	0	0	0	0	0
Ireland	7	133	0	0	7	133
Luxembourg	0	0	4	106	4	106
Norway	11	3	5	4	16	7
Poland	6	645	9	150	15	795
Portugal	0	0	1	660	1	660
Romania	0	0	0	0	0	0
Sweden	7	49	26	31	33	80
Turkey	3	8	26	308	39	316
Yugoslavia	0	0	0	0	0	0
Oth Europe	0	0	0	0	0	0
TOTAL	1057	12303	539	8955	1596	21258
NORTH AND CENTRAL AMERICA						
Bahamas	2	4	0	0	2	4
Barbados	0	0	11	12	11	12
Belize	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0
Costa Rica	0	0	12	68	12	68
Dominican Rep	4	37	0	0	4	37
El Salvador	8	8	1	55	9	63
Guatemala	6	13	11	57	17	70
Haiti	0	0	0	0	0	0
Honduras	16	16	1	13	17	29
Jamaica	0	0	4	4	4	4
Panama	10	113	20	154	30	267
Trinidad	2	13	1	15	3	28
Oth N & C Am.	5	13	0	0	5	13
TOTAL	1039	15804	756	11704	1795	27508
SOUTH AMERICA						
Argentina	14	21	7	40	21	62
Bolivia	0	0	0	0	0	0
Chile	27	269	5	160	32	429
Colombia	3	139	12	24	15	162
Ecuador	5	16	1	21	6	36
Paraguay	0	0	0	0	0	0
Peru	32	233	3	31	35	264
Uruguay	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	374	2197	45	884	419	3081
OCEANIA						
New Zealand	7	14	10	109	17	123
Oth Oceania	2	150	4	3	6	153
TOTAL	132	357	56	192	188	549

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
December 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	150	362	7	339	157	701
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	27	1190	11	133	38	1323
Jordan	6	4	0	0	6	4
Kuwait	26	62	1	110	27	172
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	0	0	0	0	0	0
Pakistan	2	33	0	0	2	33
Philippines	9	133	16	127	25	261
Qatar	1	5	0	0	1	5
Saudi Arabia	94	613	42	943	136	1556
Sri Lanka	1	5	0	0	1	5
Syria	0	0	0	0	0	0
United Arab Emr	70	76	4	3	74	79
Vietnam	0	0	0	0	0	0
Oth Asia	7	8	0	0	7	8
TOTAL	2113	15277	690	24134	2803	39411
AFRICA						
Algeria	0	0	6	356	6	356
Botswana	0	0	0	0	0	0
Egypt	0	0	1	375	1	375
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	0	0	0	0	0	0
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	7	157	50	43	57	200
South Africa	8	23	16	531	24	554
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	1	36	1	36
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	0	0	0	0	0	0
Oth Africa	0	0	14	275	14	275
TOTAL	15	179	88	1616	103	1795

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS - Metal Cutting Machine Tools - December 91

RELEASED: March 4, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301020	Traveling wire electro-discharge machines	719	56119	43	3605
301050	Electro-discharge machines, n.e.c., NC	225	18553	14	1150
301070	Electro-discharge machines, n.e.c., non-NC	294	4170	14	633
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	1817	150922	150	14132
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	121	18611	9	1385
100035	Horizontal machining centers, ATC	482	107222	40	10812
100045	Machining centers, n.e.c.	216	35862	14	2385
200010	Unit construction mach. (single station transfer), NC	34	7784	3	239
200090	Unit construction mach. (single station transfer), non-NC	7	1968	0	0
300010	Multi-station transfer machines, NC	52	80322	20	16219
300090	Multi-station transfer machines, non-NC	102	126767	15	10114
8458110010	Horizontal lathes, multiple spindle, NC	282	45024	27	3842
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	1724	130759	120	8643
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	396	56599	41	6056
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	59	21375	5	1792
190030	Horizontal engine or toolroom lathes, non-NC	3362	31047	251	2193
190050	Automatic bar and/or chucking mach., single spindle, non-NC	323	7782	13	123
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	50	5651	17	2006
190090	Horizontal lathes, n.e.c., non-NC	433	16667	19	291
911060	Vertical turret lathes, multiple spindle, NC	28	8609	6	1365
911080	Vertical turret lathes, n.e.c., NC	48	14097	5	1630
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	14	2952	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	26	5330	0	0
991050	Vertical turret lathes, non-NC	93	4579	5	164
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	484	13503	47	3598
8459100000	Way-type unit head machines	7	1038	0	0
210080	Other drilling machines, NC	377	25985	12	1199
290040	Drilling machines, multiple spindle, non-NC	20	2017	0	0
290050	Drilling machines, radial, non-NC	268	2716	24	257
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	45	435	3	24
290090	Drilling machines, n.e.c., non-NC	353	9743	11	373
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	16	6726	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	73	13910	6	961
310070	Boring-milling machines, n.e.c., NC	24	6113	3	1544
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	4	271	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	89	5436	10	949
400040	Boring machines, vertical, NC	10	1326	0	0
400050	Boring machines, vertical, non-NC	40	779	0	0
400070	Boring machines, n.e.c., NC	25	13378	0	0
400080	Boring machines, n.e.c., non-NC	357	6750	12	563
510080	Milling machines, knee type, NC	313	5921	5	267
590030	Milling machines, knee type, non-NC	2086	17256	88	811
610080	Milling machines, excluding knee type, n.e.c., NC	458	34883	20	4818
690050	Milling machines, profile, dup., or die sinking, non-NC	36	740	0	0
690070	Milling machines, bed type, non-NC	27	765	0	0
690090	Milling machines, n.e.c., non-NC	361	11938	13	2388
700020	Threading or tapping machines, n.e.c., NC	261	13397	46	1646
700080	Threading or tapping machines, n.e.c., non-NC	174	5718	6	282
8460110080	Flat surface grinding machines, NC	107	12831	3	1153
190010	Flat surface grinding mach., recip.-table type, non-NC	390	5432	23	460
190050	Flat surface grinding machines, n.e.c., non-NC	1164	13719	88	1176
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	473	83804	34	6476
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	350	13928	11	673
290030	Grinding machines, internal cylindrical, non-NC	133	6426	4	457
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	721	30498	35	2049
310080	Sharpening machines (tool & cutter grinding), NC	163	6928	21	322
390050	Sharpening machines (tool & cutter grinding), non-NC	571	7802	53	580
400060	Honing or lapping machines, NC	30	3622	2	281
400080	Honing or lapping machines, non-NC	226	15693	22	999
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	95	5557	3	273
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	1203	32809	150	5314
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	9	52	1	7
200010	Shaping or slotting machines, NC	6	555	0	0
200090	Shaping or slotting machines, non-NC	52	3795	2	67
300060	Broaching machines, NC	5	2814	0	0
300080	Broaching machines, non-NC	12	4779	1	953
401020	Gear cutting for bevel gears	13	1070	0	0
401030	Gear hobbers	148	19211	2	357
401040	Gear shapers	38	4276	1	359
401060	Gear cutting machines, n.e.c.	130	2470	7	172
405050	Gear grinding or finishing for bevel gears	4	473	0	0
405070	Gear grinding or finishing machines, n.e.c.	44	16805	1	204
500050	Sawing or cutting-off machines, NC	103	11115	4	113
500090	Sawing or cutting-off machines, non-NC	1422	30333	130	2179
9000000001	Metal cutting machine tools, n.e.c.	254	14943	16	945
9800000001	Used or rebuilt machine tools	3663	49343	170	4139
9900000001	Machine tools valued at less than $3,025	913760	84833	86031	7286
	Cutting Total			87952	145453
	Y-T-D Cutting Total	942104	1645431		
	NC Y-T-D Cutting Total	8813	1014545		

Please see notes on last page
of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - December 91

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	1	366
8457100015	0	0	0	0	0	0	0	0	3	1477
100025	0	0	0	0	0	0	0	0	5	557
100035	0	0	0	0	0	0	0	0	5	1240
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	14	2408	0	0	3	1552
300090	0	0	0	0	0	0	0	0	3	4924
8458110010	0	0	6	262	0	0	0	0	2	614
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	5	1034
110090	0	0	0	0	0	0	0	0	1	799
190030	0	0	6	141	0	0	1	8	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	1	26
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	1	108	0	0
995090	0	0	0	0	0	0	0	0	2	431
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	174
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	1	8	0	0	0	0
290070	0	0	0	0	0	0	0	0	2	16
290090	0	0	0	0	4	320	1	4	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	1	252
310070	0	0	0	0	0	0	0	0	1	238
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	8	897
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	1	9	3	24	2	459
510080	0	0	0	0	1	122	0	0	0	0
590030	0	0	0	0	0	0	0	0	3	40
610080	0	0	0	0	1	12	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	1	22	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	1	149	0	0	1	108
8460110080	0	0	0	0	0	0	0	0	1	603
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	1	108
210080	0	0	0	0	0	0	0	0	20	3921
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	1	404
290050	0	0	0	0	0	0	0	0	17	607
310080	0	0	0	0	0	0	0	0	9	28
390050	0	0	0	0	6	35	0	0	13	276
400060	0	0	0	0	0	0	0	0	2	281
400080	0	0	0	0	0	0	0	0	4	605
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	0	0	0	0	30	1500
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	1	7	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	2	357
401040	0	0	0	0	0	0	0	0	1	359
401060	0	0	0	0	0	0	0	0	3	167
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	1	204
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	35	392	4	94	22	665
9000000001	0	0	0	0	3	12	2	9	2	10
9800000001	0	0	0	0	14	49	2	236	8	51
9900000001	1	2	2	5	188	33	128	74	219	203
Month Tot	1	2	14	407	271	3577	142	557	406	25553
Y-T-D Tot	126	1845	697	8294	6073	20158	2741	19039	8024	347320
NC YTD Tot	5	403	31	2163	57	7064	51	8917	587	129767

Please see notes on last page of the metal forming section.

U.S. IMPORTS – Metal Cutting Machine Tools – December 91

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	32	2687	0	0	0	0	0	0
301050	0	0	12	1123	0	0	0	0	0	0
301070	0	0	2	44	0	0	0	0	0	0
8457100015	0	0	118	11179	2	98	13	722	0	0
100025	0	0	3	694	0	0	0	0	0	0
100035	0	0	32	9104	2	146	0	0	0	0
100045	1	804	1	241	0	0	0	0	0	0
200010	0	0	0	0	3	239	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	3	12260	0	0	0	0	0	0
300090	3	3964	4	314	0	0	0	0	0	0
8458110010	0	0	17	2696	0	0	0	0	0	0
110030	0	0	95	7398	5	282	0	0	0	0
110050	0	0	32	4709	2	220	0	0	0	0
110090	0	0	3	935	0	0	0	0	0	0
190030	0	0	1	46	1	21	28	351	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	1	27	3	10	0	0	0	0	0	0
911060	0	0	6	1365	0	0	0	0	0	0
911080	3	984	2	646	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	2	758	0	0	10	553	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	11	1025	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	2	28	4	98	1	40	0	0	1	6
290070	0	0	1	8	0	0	0	0	0	0
290090	1	13	0	0	0	0	0	0	5	37
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	1	354	0	0	0	0	0	0
310070	0	0	1	589	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	1	47	0	0	0	0	0	0	1	5
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	5	68	0	0	1	3	0	0	0	0
510080	0	0	0	0	0	0	4	146	0	0
590030	0	0	0	0	0	0	0	0	53	295
610080	0	0	3	906	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	5	0	0	0	0	4	94
700020	0	0	25	1121	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	2	550	0	0	0	0	0	0
190010	0	0	3	234	0	0	7	86	0	0
190050	1	15	0	0	0	0	0	0	0	0
210080	0	0	7	1709	0	0	0	0	0	0
290010	1	16	2	196	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	1	382	3	90	0	0	0	0	1	23
310080	2	17	3	9	0	0	0	0	0	0
390050	1	15	3	54	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	4	197	0	0	0	0	0	0
900060	0	0	3	273	0	0	0	0	0	0
900080	5	1675	51	626	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	1	46	1	21	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	953	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	4	5	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	2	83	2	31	0	0	0	0	0	0
500090	23	380	18	494	0	0	0	0	1	7
9000000001	0	0	1	93	0	0	0	0	0	0
9800000001	3	14	57	1625	0	0	0	0	5	46
9900000001	2779	668	3399	577	1470	131	0	0	0	0
Month Tot	2842	10007	3973	67290	1497	1732	52	1305	71	513
Y-T-D Tot	32598	56249	58266	788402	21770	19168	1097	13335	1744	16367
NC YTD Tot	112	26447	5302	677646	157	10717	169	8001	170	1389

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - December 91

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	4	435	0	0	1	217	6	266
301050	0	0	2	27	0	0	0	0	0	0
301070	0	0	4	127	7	96	0	0	0	0
8457100015	0	0	0	0	5	183	7	340	2	132
100025	0	0	0	0	1	135	0	0	0	0
100035	0	0	1	321	0	0	0	0	0	0
100045	0	0	0	0	0	0	7	522	5	818
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	5	912	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	2	270	0	0
110030	0	0	5	300	0	0	9	510	6	153
110050	0	0	0	0	0	0	0	0	2	93
110090	0	0	0	0	0	0	1	57	0	0
190030	0	0	0	0	35	330	12	175	167	1121
190050	0	0	2	58	10	62	0	0	1	4
190070	0	0	6	1850	0	0	1	19	10	137
190090	0	0	0	0	0	0	13	195	1	33
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	1	7	0	0	0	0	3	49
995090	0	0	2	1444	0	0	9	129	22	283
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	14	66	0	0	1	11
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	4	355
310070	0	0	0	0	0	0	1	718	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	9	36	5	360	18	81
610080	0	0	3	3648	11	32	2	220	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	2245	0	0	0	0	6	22
700020	0	0	0	0	21	525	0	0	0	0
700080	0	0	0	0	4	25	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	7	67	0	0	6	73
190050	0	0	0	0	78	880	0	0	8	173
210080	0	0	4	558	0	0	2	240	1	48
290010	0	0	3	343	1	76	0	0	4	43
290030	0	0	0	0	1	8	0	0	2	44
290050	1	379	5	512	0	0	6	54	1	1
310080	0	0	4	126	0	0	1	1	2	140
390050	0	0	0	0	9	32	19	145	2	22
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	4	128	0	0	10	70	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	2	794	8	287	0	0	40	256	14	176
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	5	53	4	15	6	29	12	50
9000000001	0	0	3	749	0	0	0	0	5	73
9800000001	1	151	9	450	5	48	62	1449	4	21
9900000001	206	29	8	7	56982	4052	52	75	20597	1432
Month Tot	210	1353	89	14585	57204	6668	268	6052	20912	5852
Y-T-D Tot	2452	17531	1399	87742	643058	104241	3046	74316	159013	71424
NC YTD Tot	14	6808	294	43441	808	27067	378	39524	678	25193

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
December 91

RELEASED: March 4, 1992

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	242	28032	18	2560
8462100030	Headers and upsetters, including cold headers	71	14382	2	148
100050	Forging or die stamping machines, and hammers, n.e.c.	693	42513	79	2027
210080	Bending, folding, straight. or flat. mach., incl presses, NC	519	40829	80	8275
290030	Press brakes, non-NC	203	7093	9	320
290040	Bending rolls, non-NC	58	1445	0	0
290050	Bending, folding, straight., or flat., n.e.c., non-NC	927	31871	69	2346
310080	Shearing machines, NC	22	3547	0	0
390050	Shearing machines, non-NC	343	12930	34	833
410080	Punching or notching mach., incl. comb. punch & shear, NC	197	30248	15	2336
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	423	11171	19	835
910060	Hydraulic presses, NC	26	8462	1	362
910090	Hydraulic presses, non-NC	2159	19877	347	2123
990030	Presses, n.e.c., NC	3	1451	0	0
990035	Mechanical transfer presses, non-NC	13	65212	1	2708
990045	Mechanical presses, n.e.c., non-NC	190	17340	7	217
990060	Presses, n.e.c., non-NC	489	29278	43	4630
8463100080	Draw benches for bars, tubes, profiles, wire or the like	133	10829	11	1031
200080	Thread rolling machines	66	1886	0	0
300080	Machines for working wire	1222	53686	102	3930
900080	Metal forming machine tools, n.e.c.	910	27780	66	3690
9800000002	Used or rebuilt machine tools	2618	23961	54	1068
9900000002	Machine tools valued at less than $3,025	14739	6485	1445	638
	Forming Total			2402	40077
	Y-T-D Forming Total	26266	490305		
	NC Y-T-D Forming Total	767	84535		
	Cutting and Forming Totals:				
	Monthly Total			90354	185529
	Y-T-D Total	968370	2135736		
	NC Y-T-D Total	9580	1099080		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
1000000000	Machine tool parts and accessories	0	555073	0	45915
2000000000	Parts for working rubber or plastics - heading 8477	0	324704	0	28282
2710003070	Quenching or cutting oils	0	320	0	42
8428900010	Industrial robots for lifting, handling, loading or unload	1585	33187	129	2858
8431390080	Parts industrial robots, handling and loading - heading 8428	0	90095	0	5425
8456101010	Laser, light or photon beam for working metal, NC	178	37949	21	3292
101020	Laser, light or photon beam for working metal, non-NC	115	11148	16	706
105000	Laser, light or photon beam for other materials	221	10160	43	1691
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	38	151	0	0
205000	Ultrasonic processes for working other materials	65	293	27	65
8477103000	Injection molding mach., for manufacturing shoes	177	2287	6	323
106010	Injection molding mach., for rubber or oth. thermosetting	835	90109	93	7224
106050	Injection molding mach., for thermoplastics	2366	206883	300	18747
200005	Extruders; rubber or other thermosetting mat., single screw	41	7962	4	723
200015	Extruders; rubber or thermosetting, other incl. multi. screw	145	18075	7	625
200035	Extruders; thermoplastics, single screw, less than 6.4cm	82	2688	3	135
200045	Extruders; thermoplastics, single screw, 6.4cm or greater	94	12662	3	891
200055	Extruders; thermoplastics, mutli. screw, less than 6.4cm	69	7324	5	451
200065	Extruders; thermoplastics, multi. screw, 6.4cm or larger	129	23676	15	2335
300000	Blow molding machines	270	56831	37	8300
400000	Vacuum-molding and other thermoforming machines	338	17296	23	1616
510010	Machines for molding or retreading pneumatic tires	344	26583	30	1240
510090	Machines for molding or otherwise forming inner tubes	89	5847	15	197
590000	Machines for molding or otherwise forming n.e.c.	687	34087	114	4670
800000	Machines for working rubber or plastics n.e.c.	2327	146115	231	6277
8479899040	Industrial robots, n.e.c.	3739	134139	200	6511
908040	Industrial robot parts	0	32081	0	3035
8537100030	Numerical controls for controlling machine tools	9203	33630	606	3061
9024100000	Machines and appliances for testing metals	0	11177	0	1175
9031100000	Machines for balancing mechanical parts	0	8323	0	154
300000	Profile projectors	0	5473	0	401
9032810020	Industrial process control instr., hydraulic	132282	3304	5460	205
810060	Industrial process control instr., pneumatic	167394	5434	15094	359

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
December 91

Metal Forming

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	10	1611	0	0	1	30
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	4	465	0	0	1	19
210080	0	0	0	0	5	254	0	0	11	2829
290030	2	77	0	0	7	243	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	17	89	2	6	4	460
310080	0	0	0	0	0	0	0	0	0	0
390050	3	96	0	0	1	23	0	0	1	36
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	0	0	1	7	0	0	2	21
910060	0	0	0	0	1	362	0	0	0	0
910090	0	0	0	0	2	198	0	0	12	31
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	1	4	0	0	0	0
990060	1	982	0	0	10	461	0	0	6	644
8463100080	1	123	0	0	0	0	0	0	3	304
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	6	49	4	191	0	0	23	1636
900080	0	0	0	0	11	299	15	79	3	244
9800000002	4	122	10	7	28	213	0	0	3	21
9900000002	0	0	0	0	81	86	4	11	7	2
Month Tot	11	1400	16	56	183	4505	21	97	77	6277
Y-T-D Tot	196	9950	46	19816	2125	44674	265	2611	1464	88461
NC YTD Tot	1	561	0	0	39	4736	18	128	116	22586
C&F Month	12	1402	30	463	454	8082	163	653	483	31830
C&F Y-T-D	322	11795	743	28110	8198	64832	3006	21650	9488	435781
C&F NC YTD	6	964	31	2163	96	11800	69	9045	703	152353

Other Manufacturing Technology

1000000000	0	180	0	101	0	6774	0	1057	0	9514
2000000000	0	41	0	18	0	6028	0	1479	0	11318
2710003070	0	0	0	0	0	11	0	0	0	0
8428900010	0	0	0	0	2	28	0	0	2	471
8431390080	0	0	0	2	0	1710	0	92	0	850
8456101010	0	0	0	0	0	0	0	0	7	741
101020	0	0	0	0	0	0	0	0	15	576
105000	0	0	0	0	0	0	0	0	1	445
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	1	6
106010	0	0	0	0	2	233	7	949	8	350
106050	0	0	0	0	61	3845	0	0	85	4432
200005	0	0	0	0	0	0	0	0	3	601
200015	0	0	0	0	2	37	0	0	2	179
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	0	0	0	0	0	0	1	490
200055	0	0	0	0	0	0	0	0	2	158
200065	0	0	0	0	1	88	0	0	14	2247
300000	0	0	0	0	0	0	2	4326	1	1365
400000	0	0	0	0	3	161	0	0	3	1185
510010	0	0	0	0	3	114	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	51	3441	13	124	5	225
800000	1	15	0	0	9	414	7	26	52	2292
8479899040	0	0	0	0	7	301	0	0	1	77
908040	0	0	0	0	0	41	0	7	0	1033
8537100030	0	0	0	0	0	0	0	0	5	65
9024100000	0	0	0	0	0	189	0	0	0	43
9031100000	0	0	0	0	0	36	0	0	0	11
300000	0	0	0	0	0	0	0	0	0	20
9032810020	0	0	0	0	0	0	0	0	0	0
810060	0	0	0	0	35	5	0	0	34	10

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
December 91

Metal Forming

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	2	116	1	57	2	315	0	0
8462100030	0	0	1	83	0	0	0	0	0	0
100050	4	172	4	624	0	0	0	0	0	0
210080	28	974	26	2413	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	6	28	3	149	0	0	0	0	5	157
310080	0	0	0	0	0	0	0	0	0	0
390050	16	54	7	546	0	0	0	0	0	0
410080	0	0	14	1980	0	0	0	0	0	0
490050	5	101	5	362	0	0	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	1	4	4	1748	0	0	0	0	262	56
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	1	2708	0	0	0	0	0	0
990045	0	0	1	40	0	0	0	0	0	0
990060	4	54	18	2432	0	0	0	0	0	0
8463100080	0	0	7	604	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	12	390	32	386	0	0	0	0	0	0
900080	0	0	1	35	0	0	0	0	1	2012
9800000002	0	0	2	563	0	0	0	0	0	0
9900000002	22	16	193	85	0	0	0	0	14	18
Month Tot	98	1793	321	14873	1	57	2	315	282	2243
Y-T-D Tot	1894	33735	4512	203044	39	599	7	733	1058	5328
NC YTD Tot	69	4333	421	35734	0	0	1	32	0	0
C&F Month	2940	11800	4294	82164	1498	1789	54	1620	353	2756
C&F Y-T-D	34492	89984	62778	991445	21809	19767	1104	14068	2802	21695
C&F NC YTD	181	30780	5723	713380	157	10717	170	8033	170	1389

Other Manufacturing Technology

1000000000	0	1955	0	12449	0	132	0	43	0	267
2000000000	0	989	0	5061	0	0	0	0	0	20
2710003070	0	0	0	32	0	0	0	0	0	0
8428900010	1	122	115	1814	0	0	0	0	0	0
8431390080	0	113	0	369	0	27	0	0	0	0
8456101010	0	0	14	2551	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	1	2	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	1	316	0	0	0	0	0	0	4	2
106010	3	225	51	3863	0	0	0	0	0	0
106050	20	555	80	7419	1	117	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	1	308	0	0	0	0	0	0
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	1	131	0	0	0	0	0	0
200055	0	0	2	167	0	0	0	0	0	0
200065	0	0	0	0	0	0	0	0	0	0
300000	13	1197	10	1321	0	0	0	0	0	0
400000	0	0	3	259	0	0	0	0	0	0
510010	0	0	20	127	0	0	0	0	0	0
510090	0	0	1	113	0	0	0	0	0	0
590000	10	309	13	243	0	0	0	0	0	0
800000	5	203	119	2455	0	0	0	0	0	0
8479899040	0	0	129	5248	0	0	1	160	0	0
908040	0	34	0	1190	0	0	0	0	0	0
8537100030	13	110	585	2818	0	0	0	0	0	0
9024100000	0	8	0	173	0	0	0	0	0	0
9031100000	0	0	0	36	0	0	0	56	0	0
300000	0	0	0	50	0	0	0	0	0	0
9032810020	0	0	0	0	1590	9	0	0	0	0
810060	390	50	55	155	5000	15	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
December 91

Metal Forming

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	1	413	0	0	1	17	0	0
8462100030	0	0	0	0	1	64	0	0	0	0
100050	1	112	2	239	11	44	50	344	2	8
210080	0	0	0	0	1	38	6	1708	3	58
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	15	540	6	757	0	0	0	0	11	159
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	1	6	2	18	3	54
410080	0	0	1	356	0	0	0	0	0	0
490050	4	22	1	319	0	0	0	0	1	4
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	62	33	3	40	1	15
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	0	0	5	173
990060	0	0	0	0	0	0	0	0	4	58
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	11	737	4	297	2	11	8	233
900080	0	0	24	897	1	30	10	94	0	0
9800000002	1	22	0	0	1	4	4	85	1	32
9900000002	5	11	43	90	919	263	44	25	113	31
Month Tot	26	707	89	3809	1001	779	122	2342	152	824
Y-T-D Tot	244	10543	1075	22673	7450	7390	2067	17599	3824	23147
NC YTD Tot	16	2184	15	2072	8	154	24	4601	39	7413
C&F Month	236	2060	178	18394	58205	7447	390	8393	21064	6676
C&F Y-T-D	2696	28074	2474	110414	650508	111632	5113	91915	162837	94572
C&F NC YTD	30	8991	309	45513	816	27221	402	44125	717	32607

Other Manufacturing Technology

1000000000	0	595	0	3513	0	1567	0	4720	0	3048
2000000000	0	26	0	608	0	295	0	849	0	1551
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	7	343	0	0	0	0	0	0	2	80
8431390080	0	131	0	863	0	58	0	606	0	604
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	1	130	0	0
105000	10	23	1	334	0	0	0	0	30	887
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	27	65
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	1	233	6	278	0	0	15	1092
106050	0	0	12	1446	25	495	2	12	14	425
200005	0	0	1	123	0	0	0	0	0	0
200015	0	0	0	0	1	66	0	0	1	36
200035	0	0	0	0	1	35	2	100	0	0
200045	0	0	0	0	0	0	1	270	0	0
200055	0	0	0	0	0	0	1	126	0	0
200065	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	10	74	0	0	1	16
400000	0	0	0	0	0	0	14	10	0	0
510010	0	0	0	0	0	0	5	93	2	906
510090	0	0	0	0	0	0	0	0	14	84
590000	0	0	0	0	0	0	8	203	14	126
800000	11	109	0	0	9	315	12	45	6	404
8479899040	6	131	1	249	7	39	10	50	38	257
908040	0	37	0	74	0	3	0	353	0	263
8537100030	0	0	0	0	0	0	3	69	0	0
9024100000	0	0	0	581	0	0	0	175	0	5
9031100000	0	0	0	7	0	0	0	8	0	0
300000	0	0	0	0	0	0	0	331	0	0
9032810020	0	0	569	20	0	0	1130	7	2171	170
810060	390	27	10	22	5684	10	5	2	3491	64

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
December 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	69	600	1	13	70	612
Bulgaria	8	62	0	0	8	62
Czechoslovakia	7	244	0	0	7	244
Denmark	47	224	4	40	51	265
Finland	11	14	8	135	19	148
Hungary	6	153	0	0	6	153
Ireland	4	66	0	0	4	66
Luxembourg	0	0	0	0	0	0
Netherlands	1	3	11	257	12	260
Norway	2	112	0	0	2	112
Poland	34	551	0	0	34	551
Portugal	0	0	8	149	8	149
Romania	0	0	0	0	0	0
USSR	12	250	0	0	12	250
Yugoslavia	5	305	0	0	5	305
Oth Europe	2	22	0	0	2	22
TOTAL	4237	61227	758	19261	4995	80488
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	0	0	8	185	8	185
Oth N & C Am.	0	0	0	0	0	0
TOTAL	271	3577	191	4689	462	8266
SOUTH AMERICA						
Argentina	3	52	0	0	3	52
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	17	459	16	56	33	515
OCEANIA						
Australia	6	108	0	0	6	108
New Zealand	0	0	0	0	0	0
Oth Oceania	16	20	0	0	16	20
TOTAL	22	129	0	0	22	129

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
December 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	20654	2329	111	42	20765	2371
Hong Kong	1	2	0	0	1	2
India	7	12	0	0	7	12
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	3	250	1	4	4	254
Malaysia	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	14	472	0	0	14	472
Oth Asia	0	0	0	0	0	0
TOTAL	83405	80060	1437	16071	84842	96131
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS

Metal Cutting Machine Tools - January 91 - December 91

RELEASED: March 4, 1992

		TOTAL YTD	
		UNITS	$000
8456300000	Electro-discharge machines	138	9976
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	72	12190
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	20	12652
100035	Horizontal machining centers, ATC	45	16054
100045	Machining centers, n.e.c.	160	18002
200010	Unit construction mach. (single station transfer), NC	7	3404
200090	Unit construction mach. (single station transfer), non-NC	13	3090
300010	Multi-station transfer machines, NC	8	14559
300090	Multi-station transfer machines, non-NC	73	27284
8458110010	Horizontal lathes, multiple spindle, NC	45	6033
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	199	17451
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	36	5892
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	31	6647
190030	Horizontal engine or toolroom lathes, non-NC	38	593
190050	Automatic bar and/or chucking mach., single spindle, non-NC	19	309
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	51	3382
190090	Horizontal lathes, n.e.c., non-NC	325	7365
911060	Vertical turret lathes, multiple spindle, NC	1	45
911080	Vertical turret lathes. n.e.c., NC	3	644
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	27	1818
991050	Vertical turret lathes, non-NC	30	1069
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	78	3030
8459100000	Way-type unit head machines	4	257
210080	Other drilling machines, NC	180	13852
290040	Drilling machines, multiple spindle, non-NC	4	474
290050	Drilling machines, radial, non-NC	39	1291
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	30	989
290090	Drilling machines, n.e.c., non-NC	989	6780
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	2	1280
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	7	4062
310070	Boring-milling machines, n.e.c., NC	25	1836
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	4	253
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	18	664
400040	Boring machines, vertical, NC	7	670
400050	Boring machines, vertical, non-NC	33	1595
400070	Boring machines, n.e.c., NC	11	1234
400080	Boring machines, n.e.c., non-NC	71	3325
510080	Milling machines, knee type, NC	27	1919
590030	Milling machines, knee type, non-NC	106	3865
610080	Milling machines, excluding knee type, n.e.c., NC	66	18420
690050	Milling machines, profile, dup., or die sinking, non-NC	5	34
690070	Milling machines, bed type, non-NC	2	69
690090	Milling machines, n.e.c., non-NC	369	10034
700020	Threading or tapping machines, n.e.c., NC	77	2798
700080	Threading or tapping machines, n.e.c., non-NC	274	8999
8460110080	Flat surface grinding machines, NC	82	5302
190010	Flat surface grinding mach., recip.-table type, non-NC	64	881
190050	Flat surface grinding machines, n.e.c., non-NC	36	4742
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	113	36736
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	34	5144
290030	Grinding machines, internal cylindrical, non-NC	44	5307
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	360	12232
310080	Sharpening machines (tool & cutter grinding), NC	31	2120
390050	Sharpening machines (tool & cutter grinding), non-NC	873	8213
400060	Honing or lapping machines, NC	13	974
400080	Honing or lapping machines, non-NC	484	7119
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	13	1704
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	1380	17237
8461100060	Planing machines, NC	2	219
100080	Planing machines, non-NC	207	6467
200010	Shaping or slotting machines, NC	17	1633
200090	Shaping or slotting machines, non-NC	29	756
300060	Broaching machines, NC	12	2732
300080	Broaching machines, non-NC	43	4856
401050	Gear hobbers	94	7608
401070	Gear shapers	13	1445
401090	Gear cutting machines, n.e.c.	101	47957
405060	Gear grinding or finishing machines	97	9209
500050	Sawing or cutting-off machines, NC	114	5814
500090	Sawing or cutting-off machines, non-NC	1358	17212
9000000001	Metal cutting machine tools, n.e.c.	903	26700
9800000001	Used or rebuilt machine tools	6816	76636
9900000001	Machine tools valued at less than $3,025	42191	24624
	Y-T-D Cutting Total	59293	597786
	NC Y-T-D Cutting Total*	1773	240853

Please see notes on last page
of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 91 - December 91

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	17	1771
8457100015	0	0	0	0	13	1942	0	0	14	2084
100025	0	0	0	0	1	132	0	0	9	1913
100035	0	0	0	0	3	842	0	0	16	3539
100045	2	170	0	0	1	70	2	114	42	4358
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	1	2099
300090	0	0	0	0	0	0	0	0	11	4248
8458110010	0	0	0	0	0	0	1	332	17	2255
110030	1	49	0	0	9	836	1	116	19	1707
110050	1	399	0	0	1	118	0	0	9	1275
110090	0	0	0	0	0	0	0	0	16	2646
190030	0	0	0	0	0	0	0	0	2	53
190050	0	0	0	0	0	0	0	0	16	278
190070	0	0	0	0	0	0	0	0	4	462
190090	8	86	0	0	0	0	35	424	41	967
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	1	214
991050	0	0	0	0	0	0	1	19	1	10
995090	0	0	0	0	0	0	0	0	11	528
8459100000	0	0	0	0	0	0	0	0	0	0
210080	1	40	0	0	3	67	0	0	14	975
290040	0	0	0	0	0	0	1	94	2	363
290050	1	10	0	0	0	0	0	0	8	60
290070	0	0	0	0	0	0	0	0	13	55
290090	2	11	0	0	1	149	16	165	358	1977
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	3	834
310070	0	0	0	0	0	0	0	0	1	266
390040	0	0	0	0	0	0	0	0	1	80
390050	0	0	0	0	0	0	0	0	6	482
400040	0	0	0	0	0	0	0	0	0	0
400050	1	14	0	0	1	25	0	0	5	253
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	6	849
510080	2	103	0	0	0	0	0	0	12	1034
590030	8	221	0	0	0	0	1	40	12	333
610080	0	0	0	0	0	0	1	900	29	6315
690050	0	0	0	0	0	0	0	0	4	24
690070	0	0	0	0	0	0	0	0	1	37
690090	1	12	0	0	1	26	0	0	23	950
700020	0	0	0	0	10	262	0	0	3	130
700080	5	200	0	0	12	910	22	182	48	467
8460110080	0	0	0	0	0	0	3	498	3	952
190010	0	0	1	138	0	0	1	15	6	63
190050	0	0	0	0	0	0	1	132	9	689
210080	0	0	0	0	0	0	1	333	12	5855
290010	0	0	0	0	0	0	9	2153	8	706
290030	0	0	0	0	1	144	5	587	0	0
290050	5	128	0	0	0	0	5	407	34	618
310080	0	0	0	0	0	0	4	548	4	573
390050	1	8	0	0	0	0	36	288	139	1235
400060	0	0	0	0	0	0	1	50	3	445
400080	9	89	6	88	5	57	0	0	58	1330
900060	0	0	0	0	0	0	0	0	2	459
900080	14	123	6	72	5	53	18	269	270	3015
8461100060	1	19	0	0	1	200	0	0	0	0
100080	1	3	0	0	12	976	30	107	1	75
200010	0	0	0	0	0	0	0	0	1	109
200090	1	23	0	0	0	0	0	0	11	151
300060	0	0	0	0	0	0	0	0	9	1196
300080	0	0	0	0	0	0	0	0	14	2320
401050	0	0	0	0	17	930	0	0	1	30
401070	0	0	1	409	0	0	0	0	0	0
401090	0	0	0	0	0	0	1	71	1	179
405060	1	8	0	0	0	0	1	39	17	2195
500050	0	0	0	0	3	49	0	0	76	4021
500090	9	110	1	16	6	93	2	24	200	1819
9000000001	14	640	0	0	4	1028	35	2105	165	2248
9800000001	44	1029	9	53	17	601	602	1442	873	11125
9900000001	939	760	92	54	887	784	567	314	3005	3199
Y-T-D Tot	1072	4254	116	830	1014	10293	1403	11766	5718	90498
NC YTD Tot*	9	1285	0	0	48	5518	30	4252	350	47592

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 91 - December 91

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	3	446	1	40	85	5475	0	0	0	0
8457100015	4	2091	1	380	4	510	0	0	0	0
100025	0	0	1	535	0	0	1	427	0	0
100035	8	4279	0	0	1	246	0	0	0	0
100045	6	1970	4	304	3	152	0	0	0	0
200010	1	1069	0	0	0	0	0	0	0	0
200090	0	0	0	0	6	820	1	585	0	0
300010	1	1050	0	0	6	11410	0	0	0	0
300090	1	1038	36	4520	1	674	0	0	1	2465
8458110010	0	0	1	851	0	0	0	0	0	0
110030	19	1859	9	939	10	808	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	7	2569	0	0	1	276	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	2	218	6	211	7	218	0	0
190090	1	[illegible]	1	134	10	144	1	17	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	1	586	0	0	0	0	0	0	0	0
995090	1	40	1	51	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	35	82	6549	0	0	1	27
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	7	331	0	0	2	19
290070	0	0	3	218	1	109	0	0	0	0
290090	0	0	7	31	5	51	68	308	2	8
310010	0	0	0	0	2	1280	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	1	111	0	0	1	35	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	2	262	0	0	0	0	0	0	0	0
590030	0	0	1	37	1	33	1	19	0	0
610080	2	3466	3	787	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	52	850	0	0	1	15	1	200	0	0
700020	6	144	0	0	0	0	0	0	0	0
700080	0	0	1	8	7	588	0	0	0	0
8460110080	5	375	0	0	4	147	2	760	1	31
190010	0	0	0	0	20	238	0	0	0	0
190050	4	787	0	0	3	829	0	0	0	0
210080	12	4544	9	3011	6	3240	3	879	2	692
290010	0	0	2	853	2	190	0	0	0	0
290030	16	1293	0	0	8	1989	3	447	0	0
290050	13	377	0	0	20	616	20	1043	0	0
310080	0	0	4	133	0	0	0	0	0	0
390050	1	5	13	84	117	749	86	559	6	36
400060	0	0	0	0	0	0	0	0	0	0
400080	15	301	21	233	47	696	40	423	0	0
900060	3	622	0	0	3	105	0	0	0	0
900080	32	343	40	965	110	1815	34	347	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	4	61	13	177	0	0	0	0
200010	1	410	0	0	1	15	0	0	0	0
200090	0	0	0	0	1	150	0	0	1	53
300060	0	0	0	0	0	0	0	0	0	0
300080	14	915	1	185	0	0	3	434	0	0
401050	0	0	0	0	24	1523	0	0	0	0
401070	0	0	0	0	1	384	0	0	0	0
401090	1	715	3	1420	14	6743	6	2899	0	0
405060	0	0	0	0	9	1933	0	0	1	32
500050	0	0	0	0	3	355	0	0	0	0
500090	17	289	10	112	73	865	1	5	3	42
9000000001	20	2007	28	861	27	1502	13	498	2	23
9800000001	124	3155	70	755	303	2791	529	3514	19	1358
9900000001	369	52	1222	766	2345	1277	135	101	61	43
Y-T-D Tot	763	38030	1500	18526	3394	58047	955	13685	102	4829
NC YTD Tot*	86	27101	60	7850	232	31866	13	2466	4	749

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 91 - December 91

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	4	248	1	51	0	0	9	757
8457100015	5	617	0	0	6	648	0	0	6	1043
100025	0	0	0	0	1	116	0	0	3	1103
100035	0	0	3	689	0	0	0	0	0	0
100045	1	35	3	424	4	1335	0	0	54	5543
200010	0	0	1	335	0	0	0	0	4	1812
200090	0	0	1	1090	2	272	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	1	715	0	0	5	514
8458110010	0	0	4	463	0	0	0	0	14	1420
110030	1	75	34	2729	10	949	0	0	7	753
110050	0	0	0	0	5	945	0	0	3	349
110090	0	0	0	0	0	0	0	0	6	971
190030	0	0	3	84	0	0	0	0	19	176
190050	0	0	1	16	0	0	0	0	2	15
190070	0	0	11	510	11	601	0	0	3	825
190090	3	29	10	110	13	146	0	0	106	3485
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	3	644
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	20	1308
991050	0	0	0	0	0	0	0	0	17	311
995090	0	0	0	0	6	142	0	0	46	1741
8459100000	0	0	0	0	0	0	0	0	4	257
210080	0	0	6	617	5	258	5	129	19	1644
290040	0	0	0	0	0	0	0	0	1	17
290050	0	0	13	662	0	0	0	0	4	17
290070	0	0	0	0	0	0	0	0	3	23
290090	5	24	7	75	156	697	39	175	143	1163
310010	0	0	0	0	0	0	0	0	0	0
310040	2	2450	0	0	0	0	0	0	1	130
310070	0	0	0	0	0	0	0	0	12	965
390040	0	0	0	0	3	173	0	0	0	0
390050	0	0	0	0	1	4	0	0	10	149
400040	0	0	0	0	6	471	0	0	0	0
400050	0	0	3	67	1	140	0	0	2	39
400070	0	0	0	0	0	0	0	0	0	0
400080	3	458	0	0	0	0	0	0	9	701
510080	0	0	0	0	1	74	0	0	5	249
590030	2	52	4	165	3	59	1	45	10	498
610080	1	78	0	0	3	2857	0	0	6	395
690050	0	0	0	0	0	0	0	0	1	10
690070	0	0	0	0	0	0	0	0	1	33
690090	0	0	24	447	122	5252	0	0	85	835
700020	21	525	2	312	1	215	0	0	5	69
700080	29	817	4	72	3	337	1	74	44	1156
8460110080	4	109	3	424	9	284	1	39	15	569
190010	0	0	2	31	3	58	0	0	6	75
190050	0	0	1	231	1	148	0	0	3	333
210080	2	421	29	6648	14	3[illegible]46	0	0	4	662
290010	0	0	0	0	1	206	0	0	3	187
290030	0	0	0	0	0	0	0	0	4	164
290050	12	399	11	388	15	1583	0	0	101	2366
310080	1	35	2	319	3	164	0	0	6	174
390050	4	532	156	1409	137	866	10	58	91	614
400060	0	0	0	0	0	0	0	0	0	0
400080	10	142	22	379	125	1521	4	525	3	50
900060	0	0	2	53	0	0	0	0	3	465
900080	22	221	87	1497	96	1335	5	22	119	1156
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	16	2295	3	60	0	0	21	527
200010	0	0	7	173	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	2	28
300060	0	0	0	0	0	0	0	0	3	1536
300080	0	0	0	0	7	843	0	0	1	11
401050	9	472	1	442	14	2360	0	0	9	277
401070	0	0	1	97	0	0	0	0	0	0
401090	8	5519	33	15406	11	5761	0	0	6	503
405060	8	98	3	1797	4	139	4	178	5	54
500050	0	0	0	0	0	0	1	59	14	743
500090	30	569	241	2954	88	1452	6	87	116	1165
9000000001	9	1014	74	2548	86	2330	1	21	74	899
9800000001	88	694	98	2953	147	7844	11	1430	1941	14840
9900000001	675	411	5024	1982	2504	1378	215	223	7671	3949
Y-T-D Tot	955	15794	5951	51142	3633	48634	304	3064	10913	62467
NC YTD Tot*	40	5222	132	14797	69	12212	7	226	224	23338

Please see notes on last page of the metal forming section.

U.S. EXPORTS

Metal Cutting Machine Tools -- January 91 - December 91

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	6	412	0	0	0	0	3	140	3	135
8457100015	1	106	5	654	0	0	1	130	5	886
100025	1	106	0	0	0	0	0	0	0	0
100035	1	464	0	0	0	0	0	0	1	916
100045	3	430	3	250	0	0	0	0	2	87
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	1	63	0	0	7	814	2	172	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	2	94
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	1	7	0	0	3	22	3	18
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	2	53	1	14	0	0	0	0	3	128
8459100000	0	0	0	0	0	0	0	0	0	0
210080	1	53	3	132	0	0	0	0	9	1114
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	1	19
290070	3	217	1	10	0	0	0	0	0	0
290090	33	147	4	22	0	0	0	0	5	1099
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	1	648	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	28	1047	1	29	2	41	2	198
610080	0	0	2	157	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	2	35	1	15
700020	0	0	0	0	0	0	0	0	3	503
700080	0	0	0	0	3	369	2	30	1	3
8460110080	0	0	2	110	1	27	0	0	3	140
190010	0	0	0	0	0	0	0	0	6	71
190050	0	0	0	0	1	97	0	0	1	213
210080	2	428	0	0	0	0	4	1395	0	0
290010	3	192	0	0	0	0	2	131	2	37
290030	0	0	0	0	1	38	0	0	0	0
290050	6	543	1	165	7	260	3	153	16	1093
310080	0	0	1	26	0	0	0	0	2	56
390050	2	9	7	71	1	3	4	338	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	9	67	1	7	8	39	25	309	9	119
900060	0	0	0	0	0	0	0	0	0	0
900080	14	170	19	809	18	163	16	138	31	399
8461100060	0	0	0	0	0	0	0	0	0	0
100080	2	7	7	113	0	0	1	49	8	145
200010	0	0	0	0	0	0	4	513	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	105	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	3	1813	0	0	1	92
405060	0	0	0	0	0	0	5	331	5	51
500050	0	0	0	0	0	0	9	228	0	0
500090	70	461	20	266	22	373	2	46	35	558
9000000001	12	316	35	1250	2	23	35	398	22	1808
9800000001	66	291	238	1557	80	779	79	441	47	499
9900000001	425	258	2888	1467	265	160	640	355	1341	576
Y-T-D Tot	663	4794	3269	8886	420	4988	844	5396	1570	11078
NC YTD Tot*	17	2320	27	2585	8	841	24	2595	28	3837

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 91 - December 91

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	2	135	0	0	0	0	4	367
8457100015	0	0	6	908	0	0	0	0	1	191
100025	0	0	1	112	0	0	0	0	1	207
100035	0	0	1	139	0	0	0	0	11	4939
100045	0	0	9	610	0	0	2	175	19	1977
200010	0	0	0	0	0	0	0	0	1	188
200090	0	0	3	323	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	1	214	15	12635	0	0	1	260
8458110010	0	0	0	0	4	324	0	0	4	388
110030	2	151	51	3893	0	0	4	365	12	1172
110050	0	0	8	1709	1	132	7	780	1	187
110090	0	0	0	0	0	0	1	185	0	0
190030	0	0	7	115	0	0	0	0	5	71
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	6	293	0	0	0	0	1	45
190090	4	16	2	20	0	0	11	919	72	833
911060	0	0	0	0	0	0	0	0	1	45
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	6	296
991050	0	0	9	133	0	0	0	0	1	11
995090	0	0	1	41	0	0	2	84	4	207
8459100000	0	0	0	0	0	0	0	0	0	0
210080	9	540	1	43	0	0	3	206	17	1425
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	1	104	0	0	1	58	1	9
290070	0	0	0	0	0	0	0	0	6	357
290090	0	0	69	318	0	0	0	0	69	358
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	1	90	9	369
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	28
400040	0	0	0	0	0	0	0	0	1	199
400050	0	0	0	0	0	0	0	0	20	1057
400070	0	0	0	0	0	0	1	148	10	1086
400080	0	0	0	0	0	0	1	82	52	1235
510080	0	0	1	28	0	0	0	0	4	168
590030	0	0	5	138	0	0	0	0	24	909
610080	0	0	2	121	0	0	0	0	17	3345
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	14	365	0	0	13	109	29	922
700020	0	0	4	100	0	0	0	0	22	539
700080	0	0	3	30	0	0	40	2543	49	1213
8460110080	0	0	15	500	0	0	0	0	11	338
190010	0	0	0	0	0	0	0	0	19	192
190050	1	100	10	1109	0	0	0	0	1	73
210080	0	0	7	3044	0	0	0	0	6	1738
290010	0	0	0	0	0	0	0	0	2	489
290030	0	0	0	0	0	0	0	0	6	645
290050	1	29	4	184	0	0	4	33	82	1846
310080	0	0	1	26	0	0	0	0	3	66
390050	0	0	36	286	2	908	0	0	24	155
400060	0	0	9	479	0	0	0	0	0	0
400080	19	251	11	117	0	0	0	0	37	376
900060	0	0	0	0	0	0	0	0	0	0
900080	10	102	98	947	7	80	182	1938	127	1256
8461100060	0	0	0	0	0	0	0	0	0	0
100080	2	26	25	362	0	0	8	96	53	1386
200010	0	0	0	0	0	0	0	0	3	413
200090	0	0	2	19	0	0	0	0	11	333
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	16	0	0	1	27	0	0
401050	0	0	18	976	1	599	0	0	0	0
401070	0	0	0	0	0	0	0	0	10	555
401090	0	0	0	0	7	4435	0	40	6	2358
405060	0	0	0	0	0	0	1	26	33	2330
500050	2	50	4	267	0	0	0	0	2	43
500090	3	36	192	2799	5	91	19	325	187	2655
9000000001	12	697	57	1122	0	0	38	720	138	2642
9800000001	49	3120	762	5677	21	42	110	1279	489	9365
9900000001	935	210	2955	1036	122	80	1018	751	5891	4440
Y-T-D Tot	1049	5326	4414	28860	185	19326	1468	10977	7617	58296
NC YTD Tot*	18	1106	146	12726	5	456	19	1948	176	19965

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 91 - December 91

RELEASED: March 4, 1992

Metal Forming Machine Tools		TOTAL YTD	
		UNITS	$000
8454300010	Die casting machines	367	7076
8462100030	Headers and upsetters, including cold headers	60	23669
100050	Forging or die stamping machines, and hammers, n.e.c.	302	31068
210080	Bending, folding, straight. or flat. mach., incl presses, NC	265	24808
290030	Press brakes, non-NC	122	3598
290040	Bending rolls, non-NC	54	1832
290050	Bending, folding, straight., or flat., n.e.c., non-NC	1189	37728
310080	Shearing machines, NC	96	7614
390050	Shearing machines, non-NC	354	10364
410080	Punching or notching mach., incl. comb. punch & shear, NC	132	18489
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	775	18046
910060	Hydraulic presses, NC	26	964
910090	Hydraulic presses, non-NC	593	19171
990030	Presses, n.e.c., NC	193	11570
990040	Presses, mechanical, non-NC	145	14271
990060	Presses, n.e.c., non-NC	900	40722
8463100080	Draw benches for bars, tubes, profiles, wire or the like	234	7295
200080	Thread rolling machines	57	1749
300080	Machines for working wire	751	22544
900080	Metal forming machine tools, n.e.c.	1535	97749
9800000002	Used or rebuilt machine tools	3207	65970
9900000002	Machine tools valued at less than $3,025	15411	12056
	Y-T-D Forming Total	26768	478353
	NC Y-T-D Forming Total	712	63445
	Cutting and Forming Totals:		
	Y-T-D Total	86061	1076140
	NC Y-T-D Total*	2485	304298

Other Manufacturing Technology		TOTAL YTD	
		UNITS	$000
1000000000	Machine tool parts and accessories	0	675905
2000000000	Parts for working rubber or plastics - heading 8477	0	255532
2710003070	Quenching or cutting oils	0	6874
8428900010	Industrial robots for lifting, handling, loading or unload	710	9564
8431390090	Parts industrial robots, handling and loading - heading 8428	0	97270
8456100000	Laser, light or photon beam for working any material	565	34149
200000	Ultrasonic process for working any material	70	3970
8477106010	Injection molding mach., for rubber or oth. thermosetting	251	19596
106070	Injection molding machines, for thermoplastics	533	56080
200005	Extruders; rubber or other thermosetting mat., single screw	126	9003
200015	Extruders; rubber or thermosetting, other incl. multi. screw	130	11071
200030	Extruders; thermoplastics, single screw	496	28575
200060	Extruders; thermoplastics, other incl. multi. screw	99	9268
300000	Blow molding machines	599	37077
400000	Vacuum-molding and other thermoforming machines	1237	9535
510010	Machines for molding or retreading pneumatic tires	2630	18241
510090	Machines for molding or otherwise forming inner tubes	670	13093
590000	Machines for molding or otherwise forming n.e.c.	1850	32223
800000	Machines for working rubber or plastics n.e.c.	4595	89459
8479899040	Industrial robots, n.e.c.	5728	69263
908040	Industrial robot parts	0	37355
8537100030	Numerical controls for controlling machine tools	1597	22996
9024100000	Machines and appliances for testing metals	0	68988
9031100000	Machines for balancing mechanical parts	0	30800
300000	Profile projectors	0	5223
9032810040	Industrial process control instr., hydraulic or pneumatic	841922	50668

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 91 - December 91

Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	2	3	3	772	7	565
8462100030	0	0	0	0	1	980	3	2011	1	509
100050	2	148	3	125	3	812	0	0	26	4365
210080	4	123	0	0	6	261	10	795	41	5286
290030	0	0	0	0	0	0	0	0	40	620
290040	1	8	0	0	0	0	0	0	21	335
290050	77	982	2	19	21	670	24	856	273	5255
310080	0	0	3	99	0	0	0	0	13	1261
390050	2	29	0	0	13	89	0	0	91	1416
410080	1	118	0	0	0	0	2	123	17	3129
490050	21	593	0	0	20	208	33	408	129	2041
910060	0	0	0	0	0	0	1	15	1	185
910090	6	68	0	0	5	300	4	237	25	1014
990030	0	0	0	0	20	568	11	990	13	416
990040	0	0	2	101	0	0	18	1223	4	88
990060	8	519	0	0	1	20	7	253	41	590
8463100080	4	93	0	0	2	35	0	0	22	1665
200080	2	45	0	0	0	0	1	33	3	224
300080	12	265	1	38	2	42	12	156	53	1664
900080	33	6269	2	34	42	1526	5	59	126	2114
9800000002	15	132	1	10	6	158	14	131	448	9470
9900000002	368	273	9	8	273	175	95	85	1869	1845
Y-T-D Tot	556	9666	23	434	417	5846	243	8148	3264	44056
NC YTD Tot	5	241	3	99	26	829	24	1923	85	10277
C&F YTD	1628	13920	139	1264	1431	16140	1646	19914	8982	134554
C&F NC YTD*	14	1527	3	99	74	6347	54	6175	435	57869

Other Manufacturing Technology

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	10316	0	2989	0	9498	0	13253	0	127686
2000000000	0	3019	0	4686	0	5623	0	6992	0	63730
2710003070	0	115	0	0	0	250	0	38	0	1363
8428900010	0	0	0	0	4	32	14	112	129	1576
8431390090	0	3484	0	46	0	2655	0	380	0	10866
8456100000	6	141	1	12	6	100	1	103	40	2074
200000	0	0	0	0	2	54	0	0	7	2403
8477106010	2	176	0	0	2	676	1	97	15	698
106070	6	385	1	100	6	427	48	4883	84	12680
200005	0	0	0	0	0	0	13	318	25	1972
200015	0	0	0	0	0	0	0	0	81	8147
200030	10	562	3	326	37	2003	3	98	0	0
200060	2	43	2	42	1	1776	0	0	10	1513
300000	1	3	0	0	79	1686	18	833	19	7585
400000	5	88	0	0	0	0	4	137	107	2359
510010	417	323	0	0	59	457	77	1755	83	2191
510090	11	98	11	275	18	348	9	683	0	0
590000	88	1022	7	161	45	716	14	284	81	2201
800000	23	290	7	110	15	358	38	1673	1528	30505
8479899040	65	468	0	0	9	65	8	21	3598	29122
908040	0	174	0	18	0	202	0	454	0	15257
8537100030	9	118	2	16	9	133	32	480	118	1322
9024100000	0	538	0	95	0	367	0	1023	0	6255
9031100000	0	269	0	0	0	0	0	127	0	11584
300000	0	35	0	0	0	34	0	30	0	251
9032810040	7382	596	6284	375	18981	1105	1720	347	36165	3839

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8465300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 91 - December 91

Metal Forming

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	18	1093	13	137	90	1042	12	119	1	19
8462100030	0	0	1	679	14	2194	0	0	0	0
100050	6	419	79	5768	20	1759	0	0	0	0
210080	15	1211	2	607	10	967	1	29	1	23
290030	0	0	0	0	0	0	0	0	10	1134
290040	0	0	0	0	3	383	0	0	0	0
290050	4	118	14	462	44	1601	3	68	18	466
310080	0	0	0	0	4	802	0	0	0	0
390050	2	127	4	313	11	234	0	0	0	0
410080	2	323	4	522	8	1195	1	140	0	0
490050	33	1180	3	217	90	1993	1	8	75	872
910060	2	17	1	8	2	119	0	0	0	0
910090	10	438	8	134	31	1176	1	11	35	1150
990030	9	1037	30	1784	13	981	0	0	0	0
990040	8	969	2	1006	37	2051	0	0	1	1214
990060	1	301	25	1294	61	11688	0	0	1	243
8463100080	2	10	3	53	53	559	0	0	1	14
200080	0	0	6	139	9	374	0	0	0	0
300080	4	54	57	1354	89	4110	0	0	3	85
900080	57	16421	52	6950	66	6897	43	695	10	702
9800000002	181	8927	52	1403	55	1059	0	0	5	61
9900000002	47	29	619	448	1266	937	129	66	23	19
Y-T-D Tot	401	32673	975	23279	1976	42123	191	1136	184	6004
NC YTD Tot	28	2588	37	2922	37	4064	2	170	1	23
C&F YTD	1164	70703	2475	41805	5370	100169	1146	14821	286	10833
C&F NC YTD*	114	29689	97	10772	269	35930	15	2635	5	772

Other Manufacturing Technology

1000000000	0	8176	0	30067	0	71142	0	5613	0	2609
2000000000	0	1663	0	7062	0	15817	0	1881	0	2369
2710003070	0	17	0	117	0	76	0	5	0	413
8428900010	21	1654	127	756	31	168	0	0	0	0
8431390090	0	1614	0	1789	0	2342	0	270	0	2759
8456100000	3	76	31	2621	50	3232	2	197	3	83
200000	0	0	5	191	0	0	1	15	0	0
8477106010	1	165	9	1336	10	879	0	0	0	0
106070	18	851	9	818	42	3468	3	339	0	0
200005	0	0	0	0	10	274	1	694	0	0
200015	0	0	0	0	2	329	0	0	0	0
200030	4	2874	47	1222	66	1980	1	893	0	0
200060	0	0	0	0	6	236	0	0	0	0
300000	4	65	8	3965	48	1159	0	0	0	0
400000	24	281	117	398	37	105	1	62	3	73
510010	0	0	23	99	2	58	25	480	0	0
510090	1	1650	1	4	21	1284	4	437	15	5
590000	15	751	60	866	84	1511	26	75	37	3367
800000	227	9224	39	988	144	2174	163	1020	3	86
8479899040	22	272	294	5547	546	11717	2	32	1	20
908040	0	179	0	770	0	2307	0	20	0	0
8537100030	20	423	176	2461	189	2803	0	0	0	0
9024100000	0	5177	0	1548	0	6176	0	834	0	31
9031100000	0	230	0	458	0	361	0	1891	0	3
300000	0	0	0	134	0	214	0	0	0	0
9032810040	4364	2352	35742	4381	65908	4240	6143	400	3099	155

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8465300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 91 - December 91

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
Metal Forming										
8454300010	10	109	9	101	2	29	41	448	33	764
8462100030	4	3230	24	11132	4	891	0	0	4	219
100050	15	1408	12	2790	33	3326	1	69	25	2875
210080	2	54	13	728	12	2704	5	187	40	3777
290030	0	0	3	103	0	0	0	0	44	725
290040	6	60	0	0	0	0	1	20	7	451
290050	2	415	42	1129	17	731	3	116	181	8016
310080	0	0	30	1685	1	75	0	0	23	2367
390050	5	39	10	203	29	434	3	40	101	3817
410080	1	71	2	2052	9	1483	0	0	16	2383
490050	16	437	19	471	25	294	1	7	123	2555
910060	2	32	0	0	3	110	0	0	7	177
910090	7	272	12	396	14	1540	1	19	295	4709
990030	3	721	9	1111	19	608	0	0	1	15
990040	1	393	4	272	0	0	0	0	23	2963
990060	5	133	97	5301	25	3400	2	485	476	7024
8463100080	1	23	13	338	0	0	0	0	22	365
200080	0	0	17	443	3	43	0	0	9	244
300080	11	320	43	1524	24	2215	0	0	87	1433
900080	15	619	188	6616	290	21387	6	251	113	1683
9800000002	130	2137	77	6193	131	4931	1	6	1210	13391
9900000002	365	158	1313	713	467	373	145	73	2685	2448
Y-T-D Tot	601	10631	1937	43300	1108	44573	210	1721	5525	62399
NC YTD Tot	8	877	54	5577	44	4980	5	187	87	8719
C&F YTD	1556	26425	7888	94442	4741	93207	514	4786	16438	124866
C&F NC YTD*	48	6099	186	20374	113	17191	12	414	311	32058
Other Manufacturing Technology										
1000000000	0	18225	0	64548	0	26294	0	4640	0	47295
2000000000	0	3513	0	12758	0	11372	0	2379	0	21959
2710003070	0	23	0	579	0	267	0	17	0	347
8428900010	5	1934	79	377	60	1299	0	0	61	1049
8431390090	0	128	0	3527	0	3015	0	194	0	4420
8456100000	22	1502	112	9487	16	1818	0	0	16	1387
200000	8	170	7	127	0	0	0	0	5	117
8477106010	0	0	5	351	2	727	1	85	152	9582
106070	5	343	19	2314	16	4121	1	102	92	10646
200005	1	70	9	384	9	1093	0	0	44	3284
200015	0	0	8	400	0	0	16	400	7	887
200030	7	1543	26	1729	25	1033	2	49	88	5049
200060	3	80	13	825	0	0	4	105	27	2500
300000	25	1089	5	50	26	683	0	0	130	5933
400000	15	128	239	549	174	1524	0	0	146	2352
510010	25	742	29	707	66	1812	6	119	127	2684
510090	15	358	8	1433	15	370	0	0	61	1389
590000	70	1202	225	2508	22	344	15	80	269	1922
800000	50	1077	124	1681	96	2233	29	1749	808	15106
8479899040	167	3513	109	1220	28	593	4	56	105	4215
908040	0	1157	0	5052	0	400	0	14	0	1469
8537100030	47	730	43	599	76	967	15	207	23	328
9024100000	0	1876	0	13893	0	5149	0	199	0	2660
9031100000	0	88	0	898	0	8012	0	40	0	2428
300000	0	903	0	607	0	876	0	308	0	450
9032810040	32499	4336	18274	1767	18354	1528	9558	505	14581	1578

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8465300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS

Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology

January 91 - December 91

Metal Forming

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	9	81	20	238	0	0	0	0	25	267
8462100030	3	1243	1	582	0	0	0	0	0	0
100050	2	130	7	706	4	218	0	0	0	0
210080	0	0	9	556	6	283	2	106	11	780
290030	0	0	1	56	0	0	0	0	3	105
290040	0	0	1	23	0	0	0	0	1	23
290050	19	349	22	591	0	0	18	353	12	428
310080	6	466	5	237	0	0	0	0	0	0
390050	3	55	33	588	0	0	0	0	1	10
410080	13	1619	4	426	0	0	1	75	36	3144
490050	4	34	11	124	4	328	11	141	11	124
910060	0	0	0	0	0	0	0	0	0	0
910090	10	95	2	45	9	300	1	14	12	259
990030	1	47	0	0	0	0	0	0	2	107
990040	2	211	6	267	0	0	0	0	14	671
990060	15	798	7	163	0	0	3	41	9	1285
8463100080	1	207	1	6	24	2400	23	605	0	0
200080	0	0	1	16	0	0	0	0	0	0
300080	5	78	7	101	17	486	25	501	2	41
900080	75	3697	17	405	2	229	4	62	22	2911
9800000002	6	362	58	823	11	516	24	675	10	952
9900000002	681	473	359	255	92	78	270	215	140	98
Y-T-D Tot	855	9946	572	6210	169	4837	382	2787	311	11205
NC YTD Tot	20	2132	18	1219	6	283	3	181	49	4031
C&F YTD	1518	14740	3841	15096	589	9825	1226	8184	1881	22283
C&F NC YTD*	37	4452	45	3804	14	1124	27	2776	77	7868

Other Manufacturing Technology

1000000000	0	11820	0	13050	0	5127	0	8180	0	20876
2000000000	0	5208	0	3748	0	3302	0	1937	0	5011
2710003070	0	6	0	193	0	34	0	29	0	463
8428900010	7	43	7	25	9	92	82	41	1	43
8431390090	0	1668	0	1755	0	365	0	535	0	1099
8456100000	14	864	7	162	2	168	10	417	26	2794
200000	0	0	2	32	3	64	0	0	3	62
8477106010	4	196	8	575	1	203	0	0	3	131
106070	3	236	13	1031	2	83	5	426	0	0
200005	0	0	0	0	0	0	0	0	2	73
200015	3	62	0	0	0	0	0	0	0	0
200030	8	203	1	500	0	0	0	0	6	2516
200060	0	0	1	680	0	0	1	14	0	0
300000	1	25	2	4	2	297	3	6	13	251
400000	2	27	131	625	2	24	0	0	39	12
510010	717	1000	1	10	27	572	0	0	0	0
510090	1	7	17	21	0	0	0	0	40	160
590000	29	281	5	68	49	384	15	248	197	5495
800000	159	1456	65	972	11	1103	4	75	48	1174
8479899040	52	336	35	1524	7	45	97	1773	8	1009
908040	0	176	0	2207	0	42	0	2246	0	287
8537100030	14	158	109	1614	14	148	3	31	16	187
9024100000	0	1097	0	1085	0	1198	0	655	0	1853
9031100000	0	23	0	836	0	687	0	28	0	167
300000	0	182	0	200	0	6	0	51	0	440
9032810040	87308	5930	31723	2092	42723	2255	6678	409	6813	954

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8465300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 91 - December 91

Metal Forming

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	6	33	4	475	0	0	12	106	50	677
8462100030	0	0	0	0	0	0	0	0	0	0
8462100050	7	2296	14	1033	0	0	3	197	40	2624
8462210080	6	638	19	855	0	0	1	32	49	4804
8462290030	0	0	7	280	0	0	4	210	10	364
8462290040	0	0	1	72	0	0	0	0	12	459
8462290050	4	181	283	8647	0	0	3	48	103	6228
8462310080	2	100	1	32	3	155	4	201	1	134
8462390050	1	10	2	744	2	27	2	13	39	2176
8462410080	1	176	9	860	0	0	0	0	5	651
8462490050	17	240	39	1829	4	267	1	7	84	3668
8462910060	0	0	0	0	0	0	1	41	6	259
8462910090	0	0	26	1872	0	0	7	200	72	4924
8462990030	6	534	27	685	0	0	0	0	29	1965
8462990040	0	0	13	1037	0	0	0	0	10	1803
8462990060	7	342	36	4006	0	0	5	131	68	2705
8463100080	17	206	29	484	0	0	0	0	16	232
8463200080	0	0	2	42	0	0	0	0	4	145
8463300080	38	2048	52	1046	1	26	11	516	195	4443
8463900080	23	2216	114	3533	0	0	9	168	221	12303
9800000002	89	1218	72	1212	0	0	56	1252	555	10951
9900000002	268	237	958	832	0	0	325	178	2645	2040
Y-T-D Tot	492	10475	1708	29575	10	475	444	3299	4214	63555
NC YTD Tot	15	1447	56	2432	3	155	6	274	90	7814
C&F YTD	1541	15800	6122	58435	195	19801	1912	14276	11831	121851
C&F NC YTD*	33	2553	202	15158	8	611	25	2222	266	27779

Other Manufacturing Technology

1000000000	0	7263	0	51777	0	1124	0	12043	0	102295
2000000000	0	3273	0	12756	0	0	0	5838	0	49638
2710003070	0	103	0	50	0	88	0	228	0	2053
8428900010	0	0	19	198	0	0	0	0	54	164
8431390090	0	8770	0	4153	0	87	0	7236	0	34112
8456100000	0	0	33	1209	0	0	61	1821	98	3880
8456200000	19	519	3	80	0	0	0	0	5	134
8477106010	0	0	3	740	0	0	7	903	25	2076
8477106070	2	100	20	4750	0	0	15	914	123	7062
8477200005	0	0	0	0	0	0	7	173	5	667
8477200015	1	139	0	0	0	0	1	110	11	597
8477200030	3	202	31	1108	12	295	13	689	103	3702
8477200060	1	15	6	135	0	0	0	0	22	1301
8477300000	12	460	79	6540	0	0	3	59	121	6383
8477400000	0	0	90	54	0	0	0	0	101	739
8477510010	10	339	18	503	0	0	51	192	867	4198
8477510090	108	94	25	1092	0	0	1	119	288	3266
8477590000	4	51	331	7119	0	0	6	10	156	1558
8477800000	38	546	206	5402	0	0	57	1208	713	9249
8479899040	1	42	308	3722	1	47	44	409	217	3495
8479908040	0	10	0	3647	0	0	0	306	0	962
8537100030	9	105	470	7164	0	0	4	66	199	2936
9024100000	0	813	0	6881	0	275	0	252	0	9058
9031100000	0	202	0	439	0	0	0	349	0	1680
9031300000	0	0	0	180	0	0	0	17	0	306
9032810040	201292	678	59950	4433	149	37	7424	525	118808	5850

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8465300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 91 - December 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	2	315	1	12	3	327
Czechoslovakia	1	10	2	180	3	190
Denmark	155	1778	102	459	257	2236
Finland	165	278	73	1313	238	1591
Greece	23	68	225	1363	248	1431
Hungary	55	670	3	73	58	743
Iceland	55	14	15	13	70	26
Ireland	92	3298	126	8224	218	11523
Luxembourg	2	3	16	129	18	132
Norway	270	1651	125	63	395	1714
Poland	10	768	11	1720	21	2488
Portugal	61	429	72	1566	133	1995
Romania	74	631	1	25	75	656
Sweden	332	4171	293	1317	625	5488
Turkey	126	3466	111	6308	237	9774
Yugoslavia	2	24	7	609	9	633
Oth Europe	18	98	10	35	28	133
TOTAL	14948	184526	8309	153342	23257	337868
NORTH AND CENTRAL AMERICA						
Bahamas	15	58	1	15	16	73
Barbados	20	8	105	333	125	341
Belize	9	13	0	0	9	13
Bermuda	2	4	5	4	7	8
Costa Rica	349	960	77	589	426	1549
Dominican Rep	46	210	29	47	75	258
El Salvador	12	34	11	259	23	293
Guatemala	52	227	46	826	98	1053
Haiti	0	0	3	18	3	18
Honduras	175	251	106	618	281	869
Jamaica	546	26	11	253	557	279
Panama	44	164	66	881	110	1045
Trinidad	17	151	67	282	84	433
Oth N & C Am.	47	253	20	251	67	504
TOTAL	17965	155325	9336	110832	27301	266156
SOUTH AMERICA						
Argentina	202	13812	190	1725	392	15537
Bolivia	9	10	4	6	13	16
Chile	350	4054	183	3083	533	7138
Colombia	181	1229	150	1714	331	2943
Ecuador	127	195	92	452	219	647
Paraguay	0	0	0	0	0	0
Peru	85	1388	118	263	203	1651
Uruguay	31	46	1	37	32	84
Oth South Am.	1	15	1	13	2	28
TOTAL	3857	43493	1426	18741	5283	62234
OCEANIA						
New Zealand	201	590	49	783	250	1374
Oth Oceania	34	204	11	187	45	391
TOTAL	1307	5048	616	10636	1923	15685

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 91 - December 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	48	9	0	0	48	9
Hong Kong	1444	6104	361	4942	1805	11046
Iran	5	104	3	127	8	231
Iraq	0	0	0	0	0	0
Israel	312	1805	136	2113	448	3918
Jordan	15	20	4	63	19	84
Kuwait	203	373	12	127	215	500
Laos	0	0	0	0	0	0
Lebanon	6	18	0	0	6	18
Macao	0	0	0	0	0	0
Oman	19	85	23	54	42	139
Pakistan	10	111	18	543	28	655
Philippines	160	748	271	6353	431	7101
Qatar	20	28	0	0	20	28
Saudi Arabia	450	3170	315	5829	765	8999
Sri Lanka	1	5	0	0	1	5
Syria	0	0	3	264	3	264
United Arab Emr	196	762	111	288	307	1050
Vietnam	0	0	0	0	0	0
Oth Asia	99	31	17	197	116	228
TOTAL	20584	198045	6680	178198	27264	376243
AFRICA						
Algeria	5	590	13	639	18	1229
Botswana	0	0	0	0	0	0
Egypt	208	7858	28	1635	236	9493
Ethiopia	0	0	1	9	1	9
Gabon	0	0	0	0	0	0
Ghana	33	100	8	875	41	975
Guinea	0	0	0	0	0	0
Kenya	0	0	1	27	1	27
Malawi	1	20	0	0	1	20
Mauritius	0	0	10	616	10	616
Morocco	0	0	14	12	14	12
Niger	0	0	0	0	0	0
Nigeria	81	1011	98	533	179	1543
South Africa	251	1598	191	1349	442	2947
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	1	36	1	36
Zaire	0	0	1	205	1	205
Zambia	0	0	9	122	9	122
Zimbabwe	12	52	1	15	13	67
Oth Africa	41	119	25	532	66	652
TOTAL	632	11349	401	6605	1033	17954

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS - Metal Cutting Machine Tools - January 91 - December 91

RELEASED: March 4, 1992

		TOTAL YTD	
		UNITS	$000
8456301020	Traveling wire electro-discharge machines	719	56119
301050	Electro-discharge machines, n.e.c., NC	225	18553
301070	Electro-discharge machines, n.e.c., non-NC	294	4170
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	1817	150922
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	121	18611
100035	Horizontal machining centers, ATC	482	107222
100045	Machining centers, n.e.c.	216	35862
200010	Unit construction mach. (single station transfer), NC	34	7784
200090	Unit construction mach. (single station transfer), non-NC	7	1968
300010	Multi-station transfer machines, NC	52	80322
300090	Multi-station transfer machines, non-NC	102	126767
8458110010	Horizontal lathes, multiple spindle, NC	282	45024
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	1724	130759
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	396	56599
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	59	21375
190030	Horizontal engine or toolroom lathes, non-NC	3362	31047
190050	Automatic bar and/or chucking mach., single spindle, non-NC	323	7782
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	50	5651
190090	Horizontal lathes, n.e.c., non-NC	433	16667
911060	Vertical turret lathes, multiple spindle, NC	28	8609
911080	Vertical turret lathes, n.e.c., NC	48	14097
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	14	2952
915070	Vertical lathes, excluding VTL's, n.e.c., NC	26	5330
991050	Vertical turret lathes, non-NC	93	4579
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	484	13503
8459100000	Way-type unit head machines	7	1038
210080	Other drilling machines, NC	377	25985
290040	Drilling machines, multiple spindle, non-NC	20	2017
290050	Drilling machines, radial, non-NC	268	2716
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	45	435
290090	Drilling machines, n.e.c., non-NC	353	9743
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	16	6726
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	73	13910
310070	Boring-milling machines, n.e.c., NC	24	6113
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	4	271
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	89	5436
400040	Boring machines, vertical, NC	10	1326
400050	Boring machines, vertical, non-NC	40	779
400070	Boring machines, n.e.c., NC	25	13378
400080	Boring machines, n.e.c., non-NC	357	6750
510080	Milling machines, knee type, NC	313	5921
590030	Milling machines, knee type, non-NC	2086	17256
610080	Milling machines, excluding knee type, n.e.c., NC	458	34883
690050	Milling machines, profile, dup., or die sinking, non-NC	36	740
690070	Milling machines, bed type, non-NC	27	765
690090	Milling machines, n.e.c., non-NC	361	11938
700020	Threading or tapping machines, n.e.c., NC	261	13397
700080	Threading or tapping machines, n.e.c., non-NC	174	5718
8460110080	Flat surface grinding machines, NC	107	12831
190010	Flat surface grinding mach., recip.-table type, non-NC	390	5432
190050	Flat surface grinding machines, n.e.c., non-NC	1164	13719
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	473	83804
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	350	13928
290030	Grinding machines, internal cylindrical, non-NC	133	6426
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	721	30498
310080	Sharpening machines (tool & cutter grinding), NC	163	6928
390050	Sharpening machines (tool & cutter grinding), non-NC	571	7802
400060	Honing or lapping machines, NC	30	3622
400080	Honing or lapping machines, non-NC	226	15693
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	95	5557
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	1203	32809
8461100060	Planing machines, NC	0	0
100080	Planing machines, non-NC	9	52
200010	Shaping or slotting machines, NC	6	555
200090	Shaping or slotting machines, non-NC	52	3795
300060	Broaching machines, NC	5	2814
300080	Broaching machines, non-NC	12	4779
401020	Gear cutting for bevel gears	13	1070
401030	Gear hobbers	148	19211
401040	Gear shapers	38	4276
401060	Gear cutting machines, n.e.c.	130	2470
405050	Gear grinding or finishing for bevel gears	4	473
405070	Gear grinding or finishing machines, n.e.c.	44	16805
500050	Sawing or cutting-off machines, NC	103	11115
500090	Sawing or cutting-off machines, non-NC	1422	30333
9000000001	Metal cutting machine tools, n.e.c.	254	14943
9800000001	Used or rebuilt machine tools	3663	49343
9900000001	Machine tools valued at less than $3,025	913760	84833
	Y-T-D Cutting Total	942104	1645431
	NC Y-T-D Cutting Total	8813	1014545

Please see notes on last page
of the metal forming section.

U.S. IMPORTS – Metal Cutting Machine Tools – January 91 – December 91

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	7	3020
301070	0	0	1	15	2	67	0	0	9	1168
8457100015	0	0	0	0	1	9	7	602	28	5275
100025	0	0	0	0	0	0	0	0	13	1604
100035	0	0	0	0	0	0	0	0	21	6796
100045	0	0	0	0	7	1004	3	365	29	9204
200010	0	0	0	0	0	0	2	760	4	3779
200090	0	0	0	0	1	426	0	0	4	1238
300010	0	0	0	0	15	2989	0	0	9	8912
300090	0	0	0	0	4	1689	0	0	44	105996
8458110010	0	0	29	2024	0	0	0	0	31	7807
110030	3	252	0	0	0	0	3	402	12	1770
110050	0	0	0	0	0	0	20	2671	15	2267
110090	0	0	0	0	0	0	0	0	14	8665
190030	0	0	388	3567	2	16	7	131	0	0
190050	0	0	7	137	0	0	0	0	11	2459
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	21	166	1	5	3	34	5	6720
911060	0	0	0	0	0	0	0	0	1	1189
911080	0	0	0	0	0	0	12	3815	6	1490
915050	0	0	0	0	0	0	0	0	1	66
915070	0	0	0	0	3	81	0	0	2	2242
991050	0	0	0	0	0	0	6	584	0	0
995090	0	0	197	1504	5	194	0	0	28	1432
8459100000	0	0	0	0	0	0	0	0	1	554
210080	0	0	0	0	1	199	1	108	12	1884
290040	0	0	0	0	2	15	0	0	0	0
290050	0	0	22	256	2	21	0	0	3	55
290070	0	0	0	0	1	160	0	0	9	80
290090	1	239	9	102	14	1059	4	2132	11	1819
310010	0	0	0	0	0	0	0	0	2	1783
310040	0	0	0	0	0	0	0	0	27	6906
310070	0	0	0	0	4	20	0	0	9	1676
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	1	9	0	0	26	3554
400040	0	0	0	0	0	0	0	0	1	130
400050	0	0	0	0	1	31	0	0	0	0
400070	0	0	0	0	5	73	0	0	5	2991
400080	0	0	0	0	47	544	226	3790	33	1210
510080	0	0	0	0	1	122	0	0	2	8
590030	0	0	0	0	1	6	3	364	19	304
610080	0	0	1	6	7	1836	1	164	31	9133
690050	0	0	0	0	0	0	2	11	1	8
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	7	138	1	118	27	1785
700020	0	0	0	0	1	12	0	0	5	991
700080	1	5	0	0	1	149	0	0	26	718
8460110080	1	9	0	0	1	3	0	0	51	6050
190010	0	0	9	195	0	0	0	0	3	515
190050	0	0	1	21	19	77	4	102	13	1053
210080	0	0	1	133	1	233	0	0	139	18743
290010	0	0	0	0	110	927	0	0	70	927
290030	0	0	0	0	0	0	0	0	14	2269
290050	1	2	0	0	71	223	7	37	247	7325
310080	0	0	0	0	7	360	1	2	56	1441
390050	1	25	0	0	52	221	2	45	137	2107
400060	0	0	0	0	0	0	0	0	16	1867
400080	0	0	0	0	14	100	0	0	66	9640
900060	0	0	0	0	1	71	0	0	1	101
900080	2	13	0	0	27	395	29	108	158	8161
8461100060	0	0	0	0	0	0	0	0	0	0
100080	1	6	0	0	1	7	0	0	0	0
200010	0	0	0	0	0	0	0	0	4	339
200090	0	0	0	0	17	74	0	0	5	86
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	2	25	0	0	0	0
401020	0	0	0	0	0	0	0	0	2	547
401030	0	0	0	0	0	0	0	0	108	15469
401040	0	0	0	0	0	0	0	0	13	3172
401060	0	0	0	0	0	0	0	0	6	225
405050	0	0	0	0	0	0	0	0	0	0
405070	1	755	0	0	0	0	0	0	21	8276
500050	1	142	0	0	2	53	1	28	24	9531
500090	0	0	0	0	317	4261	20	530	318	12009
9000000001	0	0	2	34	18	187	17	113	52	4592
9800000001	54	369	6	128	251	1086	22	651	311	11479
9900000001	59	30	3	7	5025	983	2337	1372	5645	2708
Y-T-D Tot	126	1845	697	8294	6073	20158	2741	19039	8024	347320
NC YTD Tot	5	403	31	2163	57	7064	51	8917	587	129767

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - January 91 - December 91

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	454	37191	0	0	0	0	0	0
301050	0	0	147	12054	0	0	0	0	0	0
301070	0	0	33	826	0	0	2	19	0	0
8457100015	3	890	1190	110078	22	1227	152	7328	0	0
100025	1	744	59	12131	0	0	2	109	0	0
100035	0	0	434	95566	14	987	0	0	0	0
100045	28	10619	26	4981	4	221	0	0	0	0
200010	1	1047	8	390	19	1809	0	0	0	0
200090	0	0	2	305	0	0	0	0	0	0
300010	3	1326	24	67002	0	0	0	0	0	0
300090	9	7324	11	3603	0	0	0	0	0	0
8458110010	0	0	209	33362	2	108	0	0	0	0
110030	1	124	1296	107817	78	4500	0	0	0	0
110050	0	0	330	48699	15	1435	0	0	2	232
110090	1	285	35	9092	0	0	0	0	0	0
190030	0	0	17	462	105	1076	233	3004	98	941
190050	0	0	3	365	0	0	0	0	1	103
190070	0	0	6	1094	0	0	0	0	0	0
190090	3	80	72	4835	0	0	0	0	3	111
911060	0	0	27	7420	0	0	0	0	0	0
911080	7	3346	17	4790	2	241	0	0	1	76
915050	0	0	9	2344	0	0	0	0	0	0
915070	5	677	14	1558	0	0	0	0	0	0
991050	18	1224	17	1963	0	0	0	0	26	176
995090	3	1016	15	779	88	4889	0	0	1	34
8459100000	1	187	2	116	0	0	0	0	0	0
210080	0	0	356	23349	1	189	0	0	0	0
290040	2	41	14	1930	0	0	0	0	0	0
290050	9	181	21	586	3	75	0	0	9	241
290070	0	0	7	94	0	0	0	0	1	6
290090	4	409	57	1894	1	128	0	0	206	1146
310010	3	1692	10	3096	0	0	0	0	0	0
310040	0	0	2	696	0	0	0	0	0	0
310070	1	329	2	722	0	0	0	0	0	0
390040	0	0	1	247	0	0	0	0	0	0
390050	10	158	5	805	0	0	0	0	2	173
400040	0	0	3	948	0	0	0	0	0	0
400050	34	484	2	172	0	0	0	0	0	0
400070	3	2109	12	8205	0	0	0	0	0	0
400080	31	506	4	555	1	3	0	0	0	0
510080	1	397	4	1600	0	0	5	181	167	1080
590030	6	735	24	894	0	0	1	24	1028	8053
610080	1	347	48	10192	0	0	10	383	0	0
690050	1	64	0	0	0	0	0	0	0	0
690070	0	0	9	444	0	0	0	0	0	0
690090	2	204	20	3610	0	0	0	0	34	744
700020	0	0	212	11301	0	0	0	0	0	0
700080	5	470	42	2241	0	0	0	0	2	161
8460110080	12	208	24	5135	0	0	0	0	0	0
190010	9	237	25	1553	0	0	174	1772	0	0
190050	6	181	24	522	0	0	0	0	8	889
210080	2	811	257	47350	0	0	0	0	0	0
290010	3	46	56	5620	0	0	0	0	1	40
290030	0	0	8	665	0	0	0	0	0	0
290050	27	2523	132	11826	1	2	0	0	3	541
310080	4	27	27	1914	0	0	0	0	0	0
390050	23	170	63	2203	0	0	0	0	1	60
400060	0	0	13	1746	0	0	0	0	0	0
400080	2	39	56	2941	0	0	0	0	0	0
900060	2	674	37	4129	0	0	0	0	0	0
900080	132	4914	390	11379	0	0	0	0	14	1229
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	2	216	0	0	0	0	0	0
200090	2	52	24	3080	0	0	0	0	0	0
300060	0	0	2	341	0	0	0	0	0	0
300080	0	0	4	2136	0	0	0	0	0	0
401020	10	4	0	0	0	0	0	0	0	0
401030	0	0	12	2642	4	176	0	0	0	0
401040	0	0	18	999	0	0	0	0	0	0
401060	5	8	5	360	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	2	162	8	1611	0	0	0	0	0	0
500050	29	573	5	408	0	0	0	0	0	0
500090	96	2011	290	8163	0	0	0	0	8	84
9000000001	19	344	69	7152	11	55	0	0	1	5
9800000001	59	893	664	13865	4	95	19	432	15	160
9900000001	31957	5356	50739	8050	21395	1953	499	84	111	82
Y-T-D Tot	32598	56249	58266	788402	21770	19168	1097	13335	1744	16367
NC YTD Tot	112	26447	5302	677646	157	10717	169	8001	170	1389

Please see notes on last page of the metal forming section.

U.S. IMPORTS – Metal Cutting Machine Tools – January 91 – December 91

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	105	13587	36	252	1	217	123	4873
301050	0	0	35	2449	18	240	0	0	18	790
301070	2	23	26	673	124	1145	1	40	94	194
8457100015	3	788	0	0	141	9147	180	11937	90	3644
100025	0	0	0	0	35	3639	0	0	11	384
100035	0	0	2	432	4	540	5	2541	2	360
100045	1	416	4	1944	2	420	27	1993	85	4696
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	1	93	0	0	0	0	0	0
300090	0	0	29	6050	0	0	1	1687	4	417
8458110010	0	0	1	632	4	245	3	742	3	105
110030	0	0	40	3829	119	5787	66	3779	106	2498
110050	0	0	0	0	6	380	5	747	3	167
110090	2	2452	4	336	0	0	2	168	1	378
190030	3	30	1	4	852	6946	248	3944	1408	10926
190050	0	0	17	1912	216	1582	9	546	59	678
190070	0	0	24	4153	1	33	5	105	14	267
190090	0	0	2	98	89	668	85	2205	149	1745
911060	0	0	0	0	0	0	0	0	0	0
911080	1	255	1	65	0	0	1	18	0	0
915050	1	368	3	175	0	0	0	0	0	0
915070	0	0	0	0	0	0	2	771	0	0
991050	0	0	2	15	19	65	1	3	4	549
995090	1	4	7	1600	17	101	37	928	85	1023
8459100000	0	0	0	0	0	0	2	123	1	58
210080	0	0	0	0	2	28	0	0	4	228
290040	0	0	2	31	0	0	0	0	0	0
290050	0	0	0	0	107	657	1	8	91	636
290070	27	95	0	0	0	0	0	0	0	0
290090	5	50	4	80	2	33	16	383	19	269
310010	0	0	0	0	1	155	0	0	0	0
310040	0	0	6	3441	0	0	4	954	34	1914
310070	0	0	1	62	0	0	2	1780	5	1525
390040	0	0	0	0	0	0	1	12	2	12
390050	0	0	1	462	36	162	6	48	2	66
400040	0	0	0	0	0	0	0	0	6	248
400050	0	0	0	0	0	0	0	0	3	91
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	12	38	0	0	3	104
510080	0	0	2	318	100	1240	23	925	8	52
590030	1	41	1	5	747	4272	62	1427	193	1132
610080	0	0	8	4798	251	3434	11	3981	89	610
690050	0	0	4	553	28	104	0	0	0	0
690070	0	0	0	0	18	321	0	0	0	0
690090	0	0	6	2383	115	695	5	113	144	2149
700020	0	0	0	0	42	1050	1	44	0	0
700080	0	0	60	1447	7	61	6	138	24	328
8460110080	0	0	4	1097	2	165	9	108	3	57
190010	1	8	0	0	114	586	0	0	55	566
190050	6	1484	11	316	936	7392	24	456	112	1228
210080	6	2529	39	7533	0	0	19	6369	9	104
290010	4	154	62	5238	11	293	19	508	14	175
290030	25	986	19	1745	11	93	0	0	56	668
290050	4	1480	29	3784	65	581	73	1777	61	397
310080	0	0	29	1221	0	0	13	17	26	1945
390050	0	0	25	485	25	115	215	1792	27	581
400060	0	0	0	0	0	0	1	10	0	0
400080	5	1136	14	1141	0	0	66	675	3	20
900060	0	0	1	98	6	46	0	0	47	438
900080	8	1699	28	813	25	303	151	1013	239	2782
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	2	8	0	0	5	31	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	2	462	0	0	0	0	2	42
300060	0	0	0	0	0	0	1	2403	2	70
300080	0	0	2	35	0	0	4	2583	0	0
401020	0	0	1	518	0	0	0	0	0	0
401030	0	0	3	541	0	0	14	250	7	132
401040	0	0	0	0	0	0	0	0	7	105
401060	0	0	93	16	0	0	16	11	5	1850
405050	0	0	0	0	0	0	4	473	0	0
405070	0	0	9	5734	0	0	2	36	1	231
500050	0	0	0	0	38	274	0	0	3	107
500090	3	108	13	371	194	1345	49	277	114	1172
9000000001	1	9	30	1682	6	144	5	167	23	460
9800000001	110	1307	68	2954	1341	641	576	12407	162	2879
9900000001	2232	2109	516	325	637133	48826	961	649	155148	12299
Y-T-D Tot	2452	17531	1399	87742	643058	104241	3046	74316	159013	71424
NC YTD Tot	14	6808	294	43441	808	27067	378	39524	678	25193

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 91 - December 91

RELEASED: March 4, 1992

Metal Forming Machine Tools

		TOTAL YTD UNITS	TOTAL YTD $000
8454300010	Die casting machines	242	28032
8462100030	Headers and upsetters, including cold headers	71	14382
100050	Forging or die stamping machines, and hammers, n.e.c.	693	42513
210080	Bending, folding, straight. or flat. mach., incl presses, NC	519	40829
290030	Press brakes, non-NC	203	7093
290040	Bending rolls, non-NC	58	1445
290050	Bending, folding, straight., or flat., n.e.c., non-NC	927	31871
310080	Shearing machines, NC	22	3547
390050	Shearing machines, non-NC	343	12930
410080	Punching or notching mach., incl. comb. punch & shear, NC	197	30248
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	423	11171
910060	Hydraulic presses, NC	26	8462
910090	Hydraulic presses, non-NC	2159	19877
990030	Presses, n.e.c., NC	3	1451
990035	Mechanical transfer presses, non-NC	13	65212
990045	Mechanical presses, n.e.c., non-NC	190	17340
990060	Presses, n.e.c., non-NC	489	29278
8463100080	Draw benches for bars, tubes, profiles, wire or the like	133	10829
200080	Thread rolling machines	66	1886
300080	Machines for working wire	1222	53686
900080	Metal forming machine tools, n.e.c.	910	27780
9800000002	Used or rebuilt machine tools	2618	23961
9900000002	Machine tools valued at less than $3,025	14739	6485

	UNITS	$000
Y-T-D Forming Total	26266	490305
NC Y-T-D Forming Total	767	84535
Cutting and Forming Totals:		
Y-T-D Total	968370	2135736
NC Y-T-D Total	9580	1099080

Other Manufacturing Technology

		TOTAL YTD UNITS	TOTAL YTD $000
1000000000	Machine tool parts and accessories	0	555073
2000000000	Parts for working rubber or plastics - heading 8477	0	324704
2710003070	Quenching or cutting oils	0	320
8428900010	Industrial robots for lifting, handling, loading or unload	1585	33187
8431390080	Parts industrial robots, handling and loading - heading 8428	0	90095
8456101010	Laser, light or photon beam for working metal, NC	178	37949
101020	Laser, light or photon beam for working metal, non-NC	115	11148
105000	Laser, light or photon beam for other materials	221	10160
201010	Ultrasonic processes for working metal, NC	0	0
201050	Ultrasonic processes for working metal, non-NC	38	151
205000	Ultrasonic processes for working other materials	65	293
8477103000	Injection molding mach., for manufacturing shoes	177	2287
106010	Injection molding mach., for rubber or oth. thermosetting	835	90109
106050	Injection molding mach., for thermoplastics	2366	206883
200005	Extruders; rubber or other thermosetting mat., single screw	41	7962
200015	Extruders; rubber or thermosetting, other incl. multi. screw	145	18075
200035	Extruders; thermoplastics, single screw, less than 6.4cm	82	2688
200045	Extruders; thermoplastics, single screw, 6.4cm or greater	94	12662
200055	Extruders; thermoplastics, mutli. screw, less than 6.4cm	69	7324
200065	Extruders; thermoplastics, multi. screw, 6.4cm or larger	129	23676
300000	Blow molding machines	270	56831
400000	Vacuum-molding and other thermoforming machines	338	17296
510010	Machines for molding or retreading pneumatic tires	344	26583
510090	Machines for molding or otherwise forming inner tubes	89	5847
590000	Machines for molding or otherwise forming n.e.c.	687	34087
800000	Machines for working rubber or plastics n.e.c.	2327	146115
8479899040	Industrial robots, n.e.c.	3739	134139
908040	Industrial robot parts	0	32081
8537100030	Numerical controls for controlling machine tools	9203	33630
9024100000	Machines and appliances for testing metals	0	11177
9031100000	Machines for balancing mechanical parts	0	8323
300000	Profile projectors	0	5473
9032810020	Industrial process control instr., hydraulic	132282	3304
810060	Industrial process control instr., pneumatic	167394	5434

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 91 - December 91

Metal Forming	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	76	5468	2	218	5	1188
8462100030	2	1296	0	0	9	42	0	0	12	2302
100050	0	0	0	0	45	1458	7	666	119	9891
210080	1	561	0	0	36	4203	15	53	33	6283
290030	38	2019	0	0	130	4640	0	0	0	0
290040	0	0	0	0	22	663	1	7	5	181
290050	1	7	0	0	240	4379	3	84	81	4268
310080	0	0	0	0	0	0	1	35	2	552
390050	60	1441	0	0	47	1306	2	18	13	1136
410080	0	0	0	0	1	2	2	40	74.	9121
490050	0	0	0	0	13	1063	1	6	122	3752
910060	0	0	0	0	2	531	0	0	7	6630
910090	1	31	1	24	60	4092	5	24	108	3949
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	2	18629	0	0	0	0	2	348
990045	2	159	0	0	5	91	0	0	1	155
990060	1	982	0	0	190	8218	12	232	51	7057
8463100080	14	1163	0	0	4	526	0	0	79	5208
200080	0	0	0	0	0	0	0	0	6	109
300080	23	1376	11	160	42	3244	0	0	168	13554
900080	0	0	0	0	60	804	116	883	132	9042
9800000002	43	903	31	1001	410	3445	10	195	149	3536
9900000002	10	11	1	3	733	501	88	149	295	199
Y-T-D Tot	196	9950	46	19816	2125	44674	265	2611	1464	88461
NC YTD Tot	1	561	0	0	39	4736	18	128	116	22586
C&F Y-T-D	322	11795	743	28110	8198	64832	3006	21650	9488	435781
C&F NC YTD	6	964	31	2163	96	11800	69	9045	703	152353
Other Manufacturing Technology										
1000000000	0	4514	0	1389	0	78556	0	12197	0	121412
2000000000	0	715	0	215	0	57712	0	27199	0	112303
2710003070	0	0	0	0	0	104	0	0	0	40
8428900010	1	53	0	0	80	1225	57	1553	48	4128
8431390080	0	35	0	330	0	19964	0	1220	0	12456
8456101010	0	0	0	0	0	0	1	413	48	6982
101020	0	0	0	0	0	0	0	0	102	6943
105000	0	0	0	0	14	2383	0	0	11	2730
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	1	17
205000	0	0	0	0	0	0	0	0	7	45
8477103000	0	0	0	0	6	17	0	0	6	283
106010	0	0	0	0	36	5338	27	3847	92	9777
106050	7	61	0	0	458	56136	3	38	550	34566
200005	0	0	0	0	1	87	0	0	19	5227
200015	0	0	1	67	11	104	3	228	53	10181
200035	0	0	0	0	32	651	0	0	6	239
200045	0	0	0	0	5	367	0	0	41	8151
200055	1	17	0	0	2	22	0	0	41	4381
200065	0	0	0	0	14	870	0	0	69	15397
300000	0	0	0	0	19	775	23	18116	35	14078
400000	1	13	0	0	8	384	1	16	96	4748
510010	0	0	0	0	113	5306	9	1404	19	14783
510090	0	0	3	64	15	128	1	8	3	345
590000	1	350	3	170	168	7472	60	1197	140	6158
800000	34	999	0	0	233	5116	36	12071	564	42199
8479899040	0	0	0	0	27	2439	22	485	48	4524
908040	0	4	0	0	0	567	0	66	0	12576
8537100030	0	0	0	0	44	348	3	7	663	783
9024100000	0	9	0	3	0	1212	0	466	0	1738
9031100000	0	0	0	0	0	448	0	3	0	820
300000	0	0	0	5	0	15	0	0	0	824
9032810020	100	516	0	0	15	56	0	0	446	268
810060	0	0	4019	20	21606	312	632	79	7975	855

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 91 - December 91

Metal Forming

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	20	1418	83	15794	3	189	3	616	0	0
8462100030	23	4996	19	3971	0	0	0	0	0	0
100050	32	1628	297	20378	5	173	0	0	2	4
210080	53	2954	321	21178	0	0	0	0	0	0
290030	0	0	13	206	0	0	0	0	0	0
290040	2	87	4	20	0	0	0	0	0	0
290050	88	1322	216	10501	0	0	0	0	10	247
310080	2	522	9	1407	0	0	0	0	0	0
390050	34	4659	67	2782	0	0	0	0	1	27
410080	4	753	87	12153	0	0	0	0	0	0
490050	81	1175	33	2151	0	0	0	0	108	1278
910060	10	105	2	826	0	0	1	32	0	0
910090	55	1133	307	6055	6	129	1	9	484	136
990030	0	0	2	169	0	0	0	0	0	0
990035	0	0	9	46236	0	0	0	0	0	0
990045	6	298	117	15335	0	0	0	0	0	0
990060	11	403	114	9327	0	0	1	5	4	172
8463100080	3	95	33	3837	0	0	0	0	0	0
200080	0	0	33	1296	0	0	0	0	7	236
300080	396	8030	460	16179	1	12	0	0	7	530
900080	33	2454	80	4372	0	0	1	72	32	2379
9800000002	22	1246	170	7689	4	86	0	0	3	53
9900000002	1019	459	2036	1184	20	10	0	0	400	267
Y-T-D Tot	1894	33735	4512	203044	39	599	7	733	1058	5328
NC YTD Tot	69	4333	421	35734	0	0	1	32	0	0
C&F Y-T-D	34492	89984	62778	991445	21809	19767	1104	14068	2802	21695
C&F NC YTD	181	30780	5723	713380	157	10717	170	8033	170	1389

Other Manufacturing Technology

1000000000	0	17161	0	159922	0	1669	0	2690	0	2277
2000000000	0	10898	0	70852	0	1436	0	679	0	207
2710003070	0	0	0	160	0	0	0	0	0	0
8428900010	14	1563	1219	18256	0	0	1	76	5	282
8431390080	0	2078	0	24751	0	215	0	56	0	55
8456101010	0	0	117	28264	0	0	0	0	0	0
101020	1	113	2	408	0	0	0	0	0	0
105000	2	4	6	888	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	2	6	7	44	0	0	18	15	0	0
205000	1	5	4	18	0	0	1	1	0	0
8477103000	68	1854	0	0	0	0	0	0	4	2
106010	22	3631	442	53171	7	636	5	216	4	36
106050	128	12137	736	77243	73	2213	9	60	2	116
200005	2	1147	10	1070	0	0	0	0	0	0
200015	1	20	16	4774	1	350	0	0	0	0
200035	2	222	0	0	2	39	0	0	0	0
200045	4	571	6	1243	2	10	0	0	0	0
200055	1	123	17	1361	0	0	0	0	0	0
200065	4	352	7	4716	0	0	0	0	0	0
300000	29	5357	79	16304	2	97	0	0	0	0
400000	80	2875	44	8859	0	0	0	0	5	6
510010	16	1220	72	2107	0	0	0	0	0	0
510090	12	744	24	3665	1	10	1	59	0	0
590000	29	2113	90	10394	0	0	0	0	0	0
800000	109	6650	639	45626	13	354	15	183	8	73
8479899040	6	727	2736	115549	4	44	11	270	4	38
908040	0	425	0	11953	0	4	0	2	0	0
8537100030	63	578	8214	31369	0	0	0	0	0	0
9024100000	0	658	0	1817	0	3	0	0	0	148
9031100000	0	142	0	6332	0	113	0	58	0	0
300000	0	0	0	1844	0	2	0	0	0	0
9032810020	0	0	2310	288	17990	100	0	0	0	0
810060	2663	333	1197	1628	46000	143	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 91 - December 91

Metal Forming

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	16	2721	19	44	8	148	7	227
8462100030	0	0	1	2	1	64	4	1711	0	0
100050	4	376	16	2695	44	1434	80	774	42	3039
210080	11	1829	6	203	5	77	18	2591	20	897
290030	0	0	0	0	5	29	2	8	15	192
290040	7	223	0	0	11	155	6	109	0	0
290050	113	3982	46	2226	23	389	28	2572	78	1893
310080	2	53	1	249	0	0	5	729	0	0
390050	2	208	0	0	1	6	89	848	27	500
410080	0	0	8	1621	3	77	0	0	18	6481
490050	12	187	9	497	19	329	12	339	13	394
910060	3	302	0	0	0	0	0	0	1	36
910090	4	2738	31	526	315	434	11	127	770	470
990030	0	0	0	0	0	0	1	1281	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	1	13	6	604	1	115	37	219	14	350
990060	28	215	11	57	32	1086	15	1008	19	515
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	16	222	0	0	4	23
300080	4	208	23	4800	19	563	40	856	28	4173
900080	0	0	321	4874	17	170	87	1427	31	1304
9800000002	19	180	131	894	54	96	1405	2619	167	2018
9900000002	34	29	449	704	6865	2100	219	233	2570	635
Y-T-D Tot	244	10543	1075	22673	7450	7390	2067	17599	3824	23147
NC YTD Tot	16	2184	15	2072	8	154	24	4601	39	7413
C&F Y-T-D	2696	28074	2474	110414	650508	111632	5113	91915	162837	94572
C&F NC YTD	30	8991	309	45513	816	27221	402	44125	717	32607

Other Manufacturing Technology

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	9850	0	38443	0	21590	0	43462	0	39940
2000000000	0	575	0	8854	0	4917	0	9373	0	18771
2710003070	0	0	0	2	0	8	0	4	0	1
8428900010	60	2651	14	245	0	0	36	749	50	2406
8431390080	0	2860	0	3906	0	1410	0	7776	0	12982
8456101010	0	0	9	1782	0	0	1	483	2	26
101020	0	0	1	393	0	0	4	646	5	2645
105000	12	28	1	334	0	0	135	1207	40	2585
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	6	55	4	14
205000	0	0	4	7	0	0	18	109	30	106
8477103000	0	0	0	0	2	76	1	13	90	42
106010	0	0	61	5765	55	2195	12	204	72	5294
106050	0	0	85	8473	104	2565	29	616	182	12661
200005	0	0	1	123	0	0	4	269	4	40
200015	16	246	0	0	22	703	2	80	19	1323
200035	0	0	0	0	7	169	32	1363	1	4
200045	6	8	10	1315	2	23	15	575	3	400
200055	2	133	0	0	2	113	1	126	2	1049
200065	0	0	0	0	16	442	11	729	8	1170
300000	0	0	1	255	33	394	19	763	30	693
400000	0	0	0	0	2	20	99	344	2	31
510010	0	0	0	0	0	0	22	239	93	1524
510090	0	0	0	0	5	128	5	296	19	398
590000	5	292	11	682	30	899	66	2425	84	1936
800000	16	163	49	5624	159	3410	198	14535	254	9111
8479899040	64	2808	77	2886	56	222	30	989	654	3159
908040	0	982	0	773	0	93	0	2179	0	2456
8537100030	20	15	9	123	143	89	25	311	19	7
9024100000	0	899	0	1200	0	13	0	2562	0	450
9031100000	0	12	0	17	0	7	0	131	0	240
300000	0	0	0	50	0	3	0	2583	0	147
9032810020	13	18	6667	267	0	0	10154	89	94587	1701
810060	19257	1358	53	28	31005	99	184	29	32803	549

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 91 December 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	1420	7359	37	4171	1457	11530
Bulgaria	40	257	0	0	40	257
Czechoslovakia	156	2881	12	237	168	3118
Denmark	453	2089	109	939	562	3028
Finland	189	532	100	6879	289	7411
Hungary	26	798	9	1315	35	2113
Ireland	199	472	3	91	202	563
Luxembourg	4	78	1	13	5	91
Netherlands	318	4340	128	2647	446	6987
Norway	145	666	5	67	150	733
Poland	232	5253	2	7	234	5260
Portugal	23	169	27	451	50	620
Romania	10	479	60	11	70	490
USSR	49	1237	4	76	53	1313
Yugoslavia	255	3832	7	1902	262	5734
Oth Europe	32	271	16	306	48	576
TOTAL	55681	651123	8783	210012	64464	861135
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	1755	818	96	1358	1851	2177
Oth N & C Am.	9	53	1	1	10	55
TOTAL	7837	21030	2222	46034	10059	67063
SOUTH AMERICA						
Argentina	8	281	171	41	179	321
Chile	0	0	0	0	0	0
Colombia	0	0	4	6	4	6
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	2	5	1	13	3	18
Oth South Am.	0	0	0	0	0	0
TOTAL	707	8580	222	19876	929	28456
OCEANIA						
Australia	219	2892	32	466	251	3358
New Zealand	12	101	1	9	13	110
Oth Oceania	16	20	0	0	16	20
TOTAL	247	3013	33	475	280	3488

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 91 December 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	140573	21608	2550	894	143123	22503
Hong Kong	12376	918	37	541	12413	1459
India	105	1065	5	33	110	1098
Indonesia	0	0	25	2	25	2
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	77	3280	27	530	104	3810
Malaysia	55	38	7	4	62	42
Pakistan	0	0	0	0	0	0
Philippines	1	4	0	0	1	4
Thailand	244	8852	2	5	246	8857
Oth Asia	0	0	0	0	0	0
TOTAL	877622	960912	14661	213775	892283	1174687
AFRICA						
Ghana	1	19	0	0	1	19
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	5	568	345	133	350	701
Swaziland	2	9	0	0	2	9
Oth Africa	2	178	0	0	2	178
TOTAL	10	773	345	133	355	906

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.

APR

8

1992

A3149-2

AMT
The Association For
Manufacturing Technology
Founded 1902 as National Machine Tool Builders' Association

Direct Dial: (703) 827-5260

REPORT

STATISTICAL

No. 30-92 April 8, 1992

U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY – January 1992

(Values in Millions of U.S. Dollars)

	Jan. 1992	Dec. 1991	Average Oct.-Dec.	YTD Total'92	YTD Total'91	% Change 1991-1992
METAL CUTTING MACHINE TOOLS						
Exports	$ 48.9	$ 46.1	$ 48.2	$ 48.9	$ 43.6	12.2%
Imports	$135.0	$145.5	$136.5	$135.0	$138.6	(2.6%)
Balance	($ 86.1)	($ 99.4)	($ 88.3)	($ 86.1)	($ 95.0)	(9.4%)
METAL FORMING MACHINE TOOLS						
Exports	$ 36.0	$ 47.5	$ 40.3	$ 36.0	$ 32.4	11.1%
Imports	$ 49.4	$ 40.1	$ 33.6	$ 49.4	$ 50.3	(1.8%)
Balance	($ 13.4)	($ 7.4)	$ 6.7	($ 13.4)	($ 17.9)	(25.1%)
MACHINE TOOL TOTAL						
Exports	$ 84.9	$ 93.6	$ 88.6	$ 84.9	$ 76.0	11.7%
Imports	$184.4	$185.5	$170.1	$184.4	$188.9	(2.4%)
Balance	($ 99.5)	($ 91.9)	($ 81.5)	($ 99.5)	($112.9)	(11.9%)
NUMERICALLY CONTROLLED MACHINE TOOLS						
Exports	$ 27.1	$ 19.6	$ 22.6	$ 27.1	$ 21.0	29.0%
Imports	$ 89.4	$103.9	$ 99.4	$ 89.4	$ 92.2	(3.0%)
Balance	($ 62.3)	($ 84.3)	($ 76.8)	($ 62.3)	($ 71.2)	(12.5%)
OTHER MANUFACTURING TECHNOLOGY						
Exports	$145.1	$152.0	$152.2	$145.1	$141.5	2.5%
Imports	$147.8	$156.9	$152.0	$147.8	$182.5	(19.0%)
Balance	($ 2.7)	($ 4.0)	$ 0.2	($ 2.7)	($ 41.0)	(93.4%)

Note: Numerically controlled machine tools is a subgroup of the machine tool total. ( ) denotes negative. Individual items may not add up to totals due to rounding.

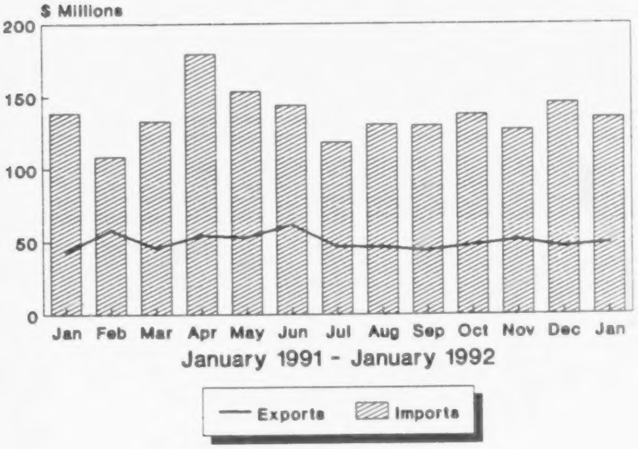
- U.S. machine tool exports in January were $84.9 million, down from an average of $88.6 million for the previous three months.

- Imports in January were $184.4 million, down slightly from December but higher than the average of $170.1 million for the previous three months.

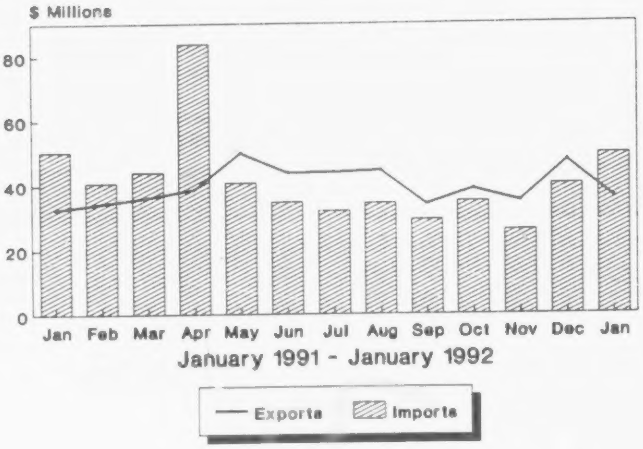
- Exports of NC machines were $27.1 million in January, significantly higher than the average of $22.6 million from October to December. Imports of NC machines were $89.4 million, down from an average of $99.4 million the previous three months.

U.S. MONTHLY TRADE IN MACHINE TOOLS

METAL CUTTING



METAL FORMING



METAL CUTTING MACHINE TOOLS

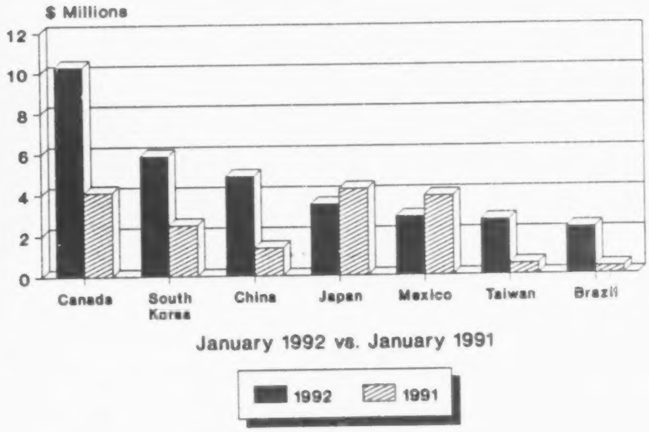
Exports

- Exports of metal cutting machine tools in January were $48.9 million, about equal to the average for the previous three months.

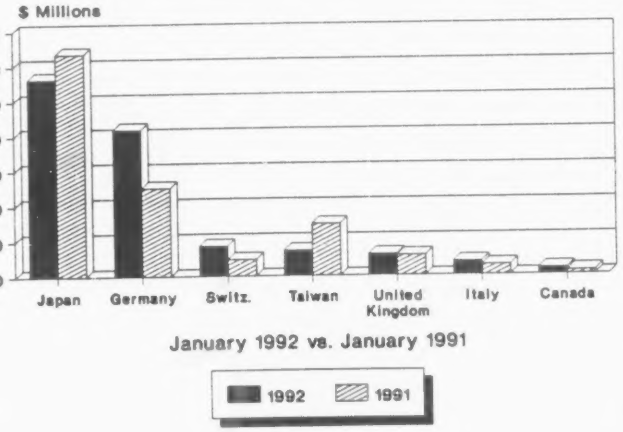
- Exports of grinding machines in January were $11.1 million, the highest monthly total since July 1991. Exports of gear cutting machines in January fell to $3.0 million, down from $5.8 million in December 1991.

- The top metal cutting export market in January was Canada at $10.3 million, up from $7.9 million in December 1991 and $4.1 million in January 1991. Other major markets in January 1992 were South Korea ($5.9 million), China ($4.9 million), and Japan ($3.5 million).

LEADING U.S. EXPORT MARKETS
METAL CUTTING MACHINES



LEADING U.S. IMPORT SOURCES
METAL CUTTING MACHINES



Imports

- Imports of metal cutting machines in January were $135.0 million, down from $145.5 million in December. The average for October-December 1991: $136.5 million.

- Imports of machining centers in January totalled $22.9 million, the lowest total since May 1991. Imports of milling machines were $4.4 million in January, down from $8.3 million in December.

- Japan led all import sources in January at $56.3 million, followed by Germany ($41.8 million), Switzerland ($8.4 million), and Taiwan ($7.1 million). Imports from Italy fell from $10.0 million in December to $3.8 million in January.

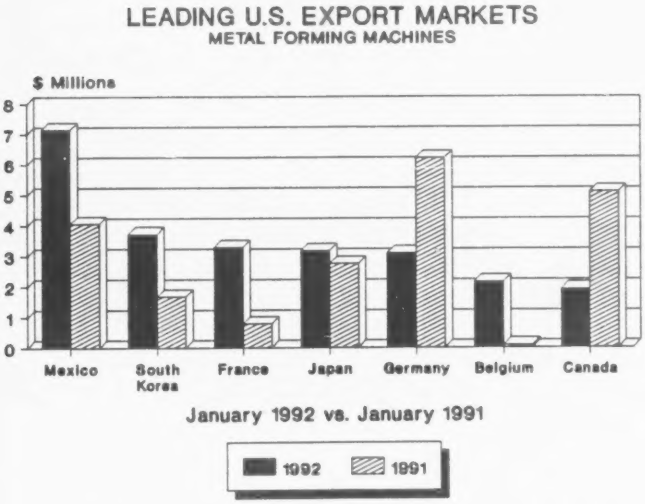
METAL FORMING MACHINE TOOLS

Exports

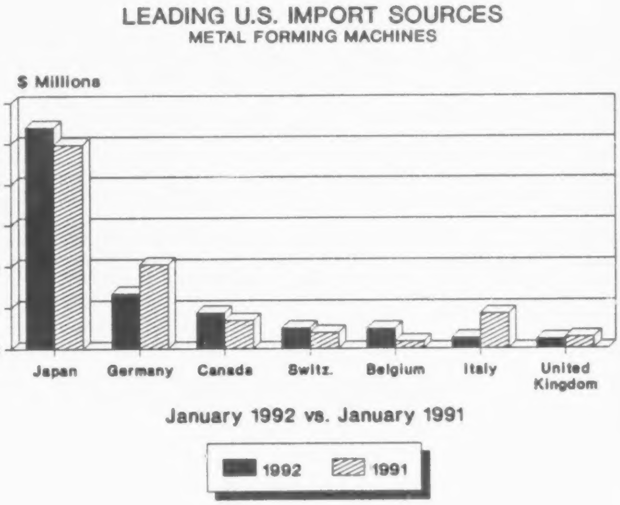
- Exports of metal forming machines in January fell to $36.0 million, marking the first time in nine months that metal forming exports lagged behind imports.

- As it was in 1991, Mexico was the top metal forming export market in January 1992 at $7.1 million. Other top markets included South Korea ($3.7 million), France ($3.3 million), Japan ($3.2 million) and Germany ($3.1 million).

- Exports of forging machines were $4.8 million in January 1992, up from $2.7 million in January 1991 and $1.7 million in December 1991. Exports of presses in January 1992 were $8.0 million, up from $7.4 million last January.



LEADING U.S. EXPORT MARKETS
METAL FORMING MACHINES



LEADING U.S. IMPORT SOURCES
METAL FORMING MACHINES

Imports

- Imports of metal forming machine tools jumped 23% in January from December to $49.4 million, the highest monthly total since April 1991.

- Metal forming imports from Japan in January were $27.0 million, almost double the comparable figure from December. Imports from Germany were $6.7 million, followed by Canada ($4.4 million) and Switzerland ($2.5 million).

- Imports of bending and forming machines rose 10% in January from December to $12.0 million. The leading suppliers: Japan ($5.4 million), Germany ($2.5 million) and Canada ($1.5 million).

OTHER MANUFACTURING TECHNOLOGY

Exports

- Exports of machine tool parts and accessories were $54.3 million in January 1992. The average for 1991: $56.3 million.

- Exports of numerical controls for controlling machine tools were $1.9 million in January, equal to the average for 1991. The top market in January: Japan ($0.3 million).

- Exports of industrial robots and parts were $16.9 million in January 1992, down from $23.2 million in December 1991.

Imports

- Imports of other manufacturing technology in January totalled $147.8 million, down from $156.9 million in December. The average for the previous three months was $152.0 million.

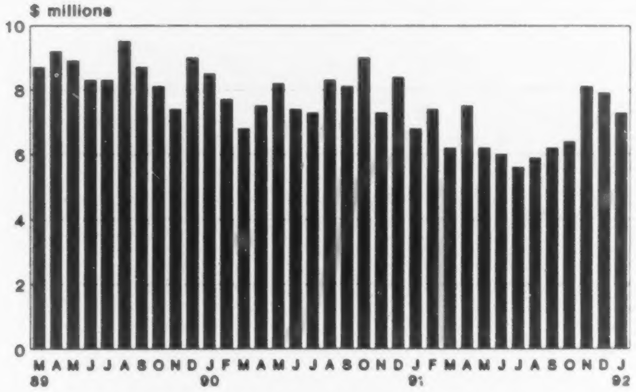
- Imports of machine tool parts and accessories were $38.3 million in January, down from an average of $46.3 million in 1991. The top import sources in January were Japan ($9.9 million), Germany ($6.3 million), Canada ($6.1 million) and Switzerland ($2.9 million).

MONTHLY FOCUS

U.S. exports of electrical discharge machines, while still very low in absolute terms, are on the rise: EDM exports rose from $5.1 million in 1989 to $7.9 million in 1990 to $10.0 million in 1991. Exports in January 1992 were $1.4 million.

Imports of EDMs, however, have trended down, falling from $104.1 in 1989 to $92.3 million in 1990 to $78.8 million in 1991. The chart below shows imports of EDM machines by three-month moving average since March 1989. As with all types of machine tools, imports of EDMs fluctuate, but the clear trend is downward.

U.S. Imports of EDMs
March 1989-January 1992
(3-month moving averages)



Source: U.S. Bureau of the Census

1992 EXPORTS

METAL CUTTING

COUNTRY	JAN'92	DEC'91	% CHANGE	JAN'92 YTD	JAN'91 YTD	% CHANGE
Canada	$10,283,712	$7,855,617	31%	$10,283,712	$4,079,654	152%
South Korea	5,887,162	2,962,522	99%	5,887,162	2,471,187	138%
China	4,856,679	1,196,582	306%	4,856,679	1,355,450	258%
Japan	3,485,912	1,985,652	76%	3,485,912	4,230,011	-18%
Mexico	2,845,125	7,732,759	-63%	2,845,125	3,855,967	-26%
Taiwan	2,679,095	977,633	174%	2,679,095	502,989	433%
Brazil	2,285,433	773,142	196%	2,285,433	347,227	558%
Switzerland	1,897,167	261,520	625%	1,897,167	131,021	1348%
United Kingdom	1,519,495	1,909,232	-20%	1,519,495	1,291,592	18%
Netherlands	1,202,662	515,398	133%	1,202,662	636,422	89%
Germany	1,013,946	3,043,673	-67%	1,013,946	8,827,813	-89%
Italy	1,011,735	2,712,095	-63%	1,011,735	2,218,427	-54%
Singapore	869,838	1,059,072	-18%	869,838	365,392	138%
Venezuela	518,749	747,481	-31%	518,749	748,551	-31%
Austria	496,603	18,500	2584%	496,603	10,058	4837%
Australia	493,223	192,542	156%	493,223	998,164	-51%
France	337,323	1,964,684	-83%	337,323	3,136,337	-89%
Thailand	306,784	3,116,371	-90%	306,784	167,845	83%
Malaysia	181,684	75,358	141%	181,684	39,207	363%
Belgium	82,837	220,770	-62%	82,837	976,425	-92%
Spain	68,197	694,911	-90%	68,197	187,092	-64%
India	49,681	1,360,553	-96%	49,681	1,797,948	-97%
Indonesia	31,649	51,558	-39%	31,649	15,125	109%
USSR	0	0	NA	0	923,067	-100%

METAL FORMING

COUNTRY	JAN'92	DEC'91	% CHANGE	JAN'92 YTD	JAN'91 YTD	% CHANGE
Mexico	$7,147,465	$7,660,280	-7%	$7,147,465	$4,056,278	76%
South Korea	3,719,482	5,595,936	-34%	3,719,482	1,665,256	123%
France	3,278,623	1,370,256	139%	3,278,623	783,532	318%
Japan	3,165,147	3,669,927	-14%	3,165,147	2,746,654	15%
Germany	3,096,088	2,511,319	23%	3,096,088	6,206,872	-50%
Belgium	2,145,235	675,499	218%	2,145,235	78,918	2618%
Canada	1,906,353	3,665,371	-48%	1,906,353	5,087,662	-63%
United Kingdom	1,763,234	1,222,197	44%	1,763,234	2,149,158	-18%
Brazil	1,040,000	266,366	290%	1,040,000	907,783	15%
Taiwan	954,739	1,967,107	-51%	954,739	6,970	13598%
China	527,847	9,345,536	-94%	527,847	1,724,628	-69%
Singapore	467,158	223,211	109%	467,158	388,168	20%
Italy	427,412	600,651	-29%	427,412	1,216,397	-65%
Netherlands	398,238	824,048	-52%	398,238	169,421	135%
Indonesia	320,030	560,123	-43%	320,030	358,560	-11%
Australia	149,218	79,810	87%	149,218	164,091	-9%
Thailand	127,604	754,480	-83%	127,604	155,628	-18%
India	101,901	64,849	57%	101,901	282,559	-64%
Spain	84,460	92,071	-8%	84,460	18,813	349%
Switzerland	76,020	97,342	-22%	76,020	365,203	-79%
Venezuela	25,700	341,208	-92%	25,700	90,265	-72%
Malaysia	11,556	297,540	-96%	11,556	182,895	-94%
Austria	0	2,682	-100%	0	0	NA
USSR	0	293,974	-100%	0	0	NA

MACHINE TOOL TOTAL

COUNTRY	JAN'92	DEC'91	% CHANGE	JAN'92 YTD	JAN'91 YTD	% CHANGE
Canada	$12,190,065	$11,520,988	6%	$12,190,065	$9,167,316	33%
Mexico	9,992,590	15,393,039	-35%	9,992,590	7,912,245	26%
South Korea	9,606,644	8,558,458	12%	9,606,644	4,136,443	132%
Japan	6,651,059	5,655,579	18%	6,651,059	6,976,665	-5%
China	5,384,526	10,542,118	-49%	5,384,526	3,080,078	75%
Germany	4,110,034	5,554,992	-26%	4,110,034	15,034,685	-73%
Taiwan	3,633,834	2,944,740	23%	3,633,834	509,959	613%
France	3,615,946	3,334,940	8%	3,615,946	3,919,869	-8%
Brazil	3,325,433	1,039,508	220%	3,325,433	1,255,010	165%
United Kingdom	3,282,729	3,131,429	5%	3,282,729	3,440,750	-5%
Belgium	2,228,072	896,269	149%	2,228,072	1,055,343	111%
Switzerland	1,973,187	358,862	450%	1,973,187	496,224	298%
Netherlands	1,600,900	1,339,446	20%	1,600,900	805,843	99%
Italy	1,439,147	3,312,746	-57%	1,439,147	3,434,824	-58%
Singapore	1,336,996	1,282,283	4%	1,336,996	753,560	77%
Australia	642,441	272,352	136%	642,441	1,162,255	-45%
Venezuela	544,449	1,088,689	-50%	544,449	838,816	-35%
Austria	496,603	21,182	2244%	496,603	10,058	4837%
Thailand	434,388	3,870,851	-89%	434,388	323,473	34%
Indonesia	351,679	611,681	-43%	351,679	373,685	-6%
Malaysia	193,240	372,898	-48%	193,240	222,102	-13%
Spain	152,657	786,982	-81%	152,657	205,905	-26%
India	151,582	1,425,402	-89%	151,582	2,080,507	-93%
USSR	0	293,974	-100%	0	923,067	-100%

1992 IMPORTS

METAL CUTTING

COUNTRY	JAN'92	DEC'91	% CHANGE	JAN'92 YTD	JAN'91 YTD	% CHANGE
Japan	$56,287,395	$67,290,186	-16%	$56,287,395	$63,490,334	-11%
Germany	41,757,428	25,552,848	63%	41,757,428	25,045,900	67%
Switzerland	8,425,206	14,585,126	-42%	8,425,206	4,696,812	79%
Taiwan	7,113,061	6,668,088	7%	7,113,061	14,670,300	-52%
United Kingdom	5,943,825	6,051,578	-2%	5,943,825	5,685,024	5%
Italy	3,754,898	10,007,117	-62%	3,754,898	2,765,832	36%
Canada	1,766,798	3,577,100	-51%	1,766,798	1,058,518	67%
Singapore	1,678,755	1,304,665	29%	1,678,755	1,114,025	51%
Spain	1,552,165	512,793	203%	1,552,165	2,455,208	-37%
Sweden	1,161,801	1,352,573	-14%	1,161,801	3,064,111	-62%
Brazil	1,062,212	407,398	161%	1,062,212	976,416	9%
South Korea	1,001,143	1,732,437	-42%	1,001,143	1,297,883	-23%
France	311,674	556,641	-44%	311,674	2,550,411	-88%
Belgium	35,607	1,686	2012%	35,607	768,044	-95%

METAL FORMING

COUNTRY	JAN'92	DEC'91	% CHANGE	JAN'92 YTD	JAN'91 YTD	% CHANGE
Japan	$26,991,873	$14,873,420	81%	$26,991,873	$24,880,673	8%
Germany	6,747,037	6,277,031	7%	6,747,037	10,206,658	-34%
Canada	4,368,172	4,504,506	-3%	4,368,172	3,451,169	27%
Switzerland	2,470,638	3,808,772	-35%	2,470,638	1,946,715	27%
Belgium	2,410,840	1,400,273	72%	2,410,840	853,913	182%
Italy	1,296,731	1,792,931	-28%	1,296,731	4,185,027	-69%
United Kingdom	1,116,236	2,341,770	-52%	1,116,236	1,354,132	-18%
Sweden	750,159	707,215	6%	750,159	382,640	96%
Taiwan	639,216	778,736	-18%	639,216	643,687	-1%
Spain	407,037	2,242,841	-82%	407,037	579,193	-30%
South Korea	138,777	57,000	143%	138,777	0	NA
Brazil	9,051	55,935	-84%	9,051	38,940	-77%
France	3,000	96,548	-97%	3,000	277,255	-99%
Singapore	0	315,499	-100%	0	0	NA

MACHINE TOOL TOTAL

COUNTRY	JAN'92	DEC'91	% CHANGE	JAN'92 YTD	JAN'91 YTD	% CHANGE
Japan	$83,279,268	$82,163,606	1%	$83,279,268	$88,371,007	-6%
Germany	48,504,465	31,829,879	52%	48,504,465	35,252,558	38%
Switzerland	10,895,844	18,393,898	-41%	10,895,844	6,643,527	64%
Taiwan	7,752,277	7,446,824	4%	7,752,277	15,313,987	-49%
United Kingdom	7,060,061	8,393,348	-16%	7,060,061	7,039,156	0%
Canada	6,134,970	8,081,606	-24%	6,134,970	4,509,687	36%
Italy	5,051,629	11,800,048	-57%	5,051,629	6,950,859	-27%
Belgium	2,446,447	1,401,959	75%	2,446,447	1,621,957	51%
Spain	1,959,202	2,755,634	-29%	1,959,202	3,034,401	-35%
Sweden	1,911,960	2,059,788	-7%	1,911,960	3,446,751	-45%
Singapore	1,678,755	1,620,164	4%	1,678,755	1,114,025	51%
South Korea	1,139,920	1,789,437	-36%	1,139,920	1,297,883	-12%
Brazil	1,071,263	463,333	131%	1,071,263	1,015,356	6%
France	314,674	653,189	-52%	314,674	2,827,666	-89%

1992 U.S. EXPORTS
BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1992 Units	JANUARY 1992 Value	JANUARY 1991 Units	JANUARY 1991 Value	DECEMBER 1991 Units	DECEMBER 1991 Value
Used & rebuilt & under $3,025	5,316	$11,265,820	5,350	$13,231,937	5,310	$19,546,367
Boring machines	4	111,194	8	572,189	17	1,693,549
Drilling machines	46	2,480,904	104	2,125,292	91	1,975,745
Gear cutting machines	16	2,952,428	14	7,378,919	29	5,821,183
Grinding machines	296	11,067,320	244	5,937,543	269	9,732,625
NC horizontal lathes	22	4,786,634	15	2,388,500	20	2,206,194
NC vertical lathes	1	170,620	1	161,310	1	92,875
Non-NC lathes	44	3,333,427	37	817,093	49	1,051,630
Milling machines	35	6,163,478	21	1,285,651	42	870,158
Machining centers	18	4,153,920	18	2,251,834	24	2,384,335
Station type machines	2	689,332	7	6,763,963	6	777,170
Other metal cutting machines	191	5,028,354	223	7,078,662	296	10,893,775
Punching & shearing machines	75	2,962,166	108	4,513,331	124	6,474,376
Bending & forming machines	154	5,495,473	116	4,251,882	127	5,041,561
Presses	98	7,968,219	293	7,418,063	137	8,113,963
Forging machines	18	4,823,312	11	2,746,151	13	1,701,062
Other metal forming machines	221	11,490,938	231	7,030,224	349	15,226,551
MACHINE TOOL TOTAL	6,557	84,943,539	6,801	75,952,544	6,904	93,603,119

PRODUCT TYPES	% CHANGE JAN'91–JAN'92 Units	% CHANGE JAN'91–JAN'92 Value	% CHANGE DEC'91–JAN'92 Units	% CHANGE DEC'91–JAN'92 Value
Used & rebuilt & under $3,025	-0.6%	-14.9%	0.1%	-42.4%
Boring machines	-50.0%	-80.6%	-76.5%	-93.4%
Drilling machines	-55.8%	16.7%	-49.5%	25.6%
Gear cutting machines	14.3%	-60.0%	-44.8%	-49.3%
Grinding machines	21.3%	86.4%	10.0%	13.7%
NC horizontal lathes	46.7%	100.4%	10.0%	117.0%
NC vertical lathes	0.0%	5.8%	0.0%	83.7%
Non-NC lathes	18.9%	308.0%	-10.2%	217.0%
Milling machines	66.7%	379.4%	-16.7%	608.3%
Machining centers	0.0%	84.5%	-25.0%	74.2%
Station type machines	-71.4%	-89.8%	-66.7%	-11.3%
Other metal cutting machines	-14.3%	-29.0%	-35.5%	-53.8%
Punching & shearing machines	-30.6%	-34.4%	-39.5%	-54.2%
Bending & forming machines	32.8%	29.2%	21.3%	9.0%
Presses	-66.6%	7.4%	-28.5%	-1.8%
Forging machines	63.6%	75.6%	38.5%	183.5%
Other metal forming machines	-4.3%	63.5%	-36.7%	-24.5%
MACHINE TOOL TOTAL	-3.6%	11.8%	-5.0%	-9.3%

1992 U.S. IMPORTS
BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1992		JANUARY 1991		DECEMBER 1991	
	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	94,127	$12,280,602	71,667	$13,094,991	87,700	$13,131,141
Boring machines	25	3,463,952	75	3,212,626	31	4,016,207
Drilling machines	97	4,705,463	136	5,284,960	50	1,853,712
Gear cutting machines	37	6,172,007	34	7,247,022	11	1,092,631
Grinding machines	512	27,479,836	662	23,141,603	449	20,212,495
NC horizontal lathes	153	15,234,824	158	17,509,455	193	20,332,252
NC vertical lathes	16	1,194,631	9	1,367,349	11	2,994,542
Non-NC lathes	207	3,386,097	722	8,815,703	352	8,374,323
Milling machines	138	4,406,171	449	12,771,541	126	8,284,052
Machining centers	200	22,852,787	293	33,595,255	213	28,713,125
Station type machines	18	19,481,908	14	4,189,738	38	26,572,121
Other metal cutting machines	280	16,298,473	448	11,368,644	277	11,581,840
Punching & shearing machines	100	7,476,279	67	5,697,766	68	4,004,218
Bending & forming machines	151	11,974,223	189	6,557,096	158	10,940,152
Presses	101	15,951,346	72	16,236,188	399	10,040,316
Forging machines	104	2,006,697	59	5,028,586	81	2,175,197
Other metal forming machines	151	10,016,946	286	13,786,011	197	11,210,788
MACHINE TOOL TOTAL	96,417	184,382,242	75,340	188,904,534	90,354	185,529,112

PRODUCT TYPES	% CHANGE JAN'91-JAN'92		% CHANGE DEC'91-JAN'92	
	Units	Value	Units	Value
Used & rebuilt & under $3,025	31.3%	-6.2%	7.3%	-6.5%
Boring machines	-66.7%	7.8%	-19.4%	-13.8%
Drilling machines	-28.7%	-11.0%	94.0%	153.8%
Gear cutting machines	8.8%	-14.8%	236.4%	464.9%
Grinding machines	-22.7%	18.7%	14.0%	36.0%
NC horizontal lathes	-3.2%	-13.0%	-20.7%	-25.1%
NC vertical lathes	77.8%	-12.6%	45.5%	-60.1%
Non-NC lathes	-71.3%	-61.6%	-41.2%	-59.6%
Milling machines	-69.3%	-65.5%	9.5%	-46.8%
Machining centers	-31.7%	-32.0%	-6.1%	-20.4%
Station type machines	28.6%	365.0%	-52.6%	-26.7%
Other metal cutting machines	-37.5%	43.4%	1.1%	40.7%
Punching & shearing machines	49.3%	31.2%	47.1%	86.7%
Bending & forming machines	-20.1%	82.6%	-4.4%	9.5%
Presses	40.3%	-1.8%	-74.7%	58.9%
Forging machines	76.3%	-60.1%	28.4%	-7.7%
Other metal forming machines	-47.2%	-27.3%	-23.4%	-10.6%
MACHINE TOOL TOTAL	28.0%	-2.4%	6.7%	-0.6%

U.S. EXPORTS
Metal Cutting Machine Tools - January 92

RELEASED: April 8, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	19	1351	19	1351
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	2	329	2	329
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	2	549	2	549
100035	Horizontal machining centers, ATC	1	429	1	429
100045	Machining centers, n.e.c.	13	2847	13	2847
200010	Unit construction mach. (single station transfer), NC	0	0	0	0
200090	Unit construction mach. (single station transfer), non-NC	0	0	0	0
300010	Multi-station transfer machines, NC	1	589	1	589
300090	Multi-station transfer machines, non-NC	1	100	1	100
8458110010	Horizontal lathes, multiple spindle, NC	5	439	5	439
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	7	615	7	615
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	5	1874	5	1874
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	5	1859	5	1859
190030	Horizontal engine or toolroom lathes, non-NC	4	127	4	127
190050	Automatic bar and/or chucking mach., single spindle, non-NC	0	0	0	0
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	1	112	1	112
190090	Horizontal lathes, n.e.c., non-NC	24	256	24	256
911060	Vertical turret lathes, multiple spindle, NC	0	0	0	0
911080	Vertical turret lathes, n.e.c., NC	0	0	0	0
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	1	171	1	171
991050	Vertical turret lathes, non-NC	4	73	4	73
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	11	2765	11	2765
8459100000	Way-type unit head machines	0	0	0	0
210080	Other drilling machines, NC	7	2137	7	2137
290040	Drilling machines, multiple spindle, non-NC	0	0	0	0
290050	Drilling machines, radial, non-NC	1	6	1	6
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	1	8	1	8
290090	Drilling machines, n.e.c., non-NC	37	330	37	330
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	0	0	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	0	0	0	0
310070	Boring-milling machines, n.e.c., NC	2	59	2	59
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	0	0	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	0	0	0	0
400040	Boring machines, vertical, NC	0	0	0	0
400050	Boring machines, vertical, non-NC	2	52	2	52
400070	Boring machines, n.e.c., NC	0	0	0	0
400080	Boring machines, n.e.c., non-NC	0	0	0	0
510080	Milling machines, knee type, NC	1	1350	1	1350
590030	Milling machines, knee type, non-NC	10	264	10	264
610080	Milling machines, excluding knee type, n.e.c., NC	4	1687	4	1687
690050	Milling machines, profile, dup., or die sinking, non-NC	3	220	3	220
690070	Milling machines, bed type, non-NC	0	0	0	0
690090	Milling machines, n.e.c., non-NC	17	2642	17	2642
700020	Threading or tapping machines, n.e.c., NC	3	366	3	366
700080	Threading or tapping machines, n.e.c., non-NC	27	427	27	427
8460110080	Flat surface grinding machines, NC	3	139	3	139
190010	Flat surface grinding mach., recip.-table type, non-NC	2	29	2	29
190050	Flat surface grinding machines, n.e.c., non-NC	11	1462	11	1462
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	5	1607	5	1607
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	1	21	1	21
290030	Grinding machines, internal cylindrical, non-NC	25	950	25	950
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	34	2904	34	2904
310080	Sharpening machines (tool & cutter grinding), NC	8	276	8	276
390050	Sharpening machines (tool & cutter grinding), non-NC	42	323	42	323
400060	Honing or lapping machines, NC	0	0	0	0
400080	Honing or lapping machines, non-NC	53	587	53	587
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	4	1768	4	1768
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	108	1003	108	1003
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	3	30	3	30
200010	Shaping or slotting machines, NC	1	18	1	18
200090	Shaping or slotting machines, non-NC	2	15	2	15
300060	Broaching machines, NC	0	0	0	0
300080	Broaching machines, non-NC	0	0	0	0
401050	Gear hobbers	1	562	1	562
401070	Gear shapers	8	440	8	440
401090	Gear cutting machines, n.e.c.	5	1882	5	1882
405060	Gear grinding or finishing machines	2	68	2	68
500050	Sawing or cutting-off machines, NC	2	318	2	318
500090	Sawing or cutting-off machines, non-NC	57	716	57	716
9000000001	Metal cutting machine tools, n.e.c.	77	1786	77	1786
9800000001	Used or rebuilt machine tools	467	6455	467	6455
9900000001	Machine tools valued at less than $3,025	3877	1540	3877	1540
	Cutting Total			5019	48933
	Y-T-D Cutting Total	5019	48933		
	NC Y-T-D Cutting Total*	105	21532		

Please see notes on last page
of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 92

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	2	260
8457100015	0	0	0	0	0	0	0	0	1	178
100025	0	0	0	0	0	0	0	0	1	338
100035	0	0	0	0	0	0	0	0	0	0
100045	1	90	0	0	0	0	0	0	3	653
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	1	589
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	2	216
110030	0	0	0	0	0	0	0	0	1	104
110050	0	0	0	0	0	0	0	0	1	135
110090	0	0	0	0	0	0	0	0	4	1155
190030	0	0	0	0	0	0	0	0	2	14
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	3	54
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	1	171
991050	0	0	0	0	0	0	0	0	1	10
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	5	1246
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	1	6
290070	0	0	0	0	0	0	0	0	1	8
290090	0	0	0	0	0	0	0	0	23	99
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	2	52
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	1	1350	0	0
590030	5	120	0	0	0	0	0	0	1	16
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	1	76	0	0	8	51
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	497	0	0	0	0	2	766
290010	0	0	0	0	0	0	0	0	1	21
290030	0	0	0	0	0	0	24	915	0	0
290050	0	0	0	0	0	0	0	0	2	13
310080	2	64	0	0	0	0	0	0	0	0
390050	3	19	0	0	0	0	0	0	19	167
400060	0	0	0	0	0	0	0	0	0	0
400080	1	5	0	0	0	0	0	0	5	68
900060	0	0	0	0	0	0	0	0	4	1768
900080	1	8	0	0	0	0	0	0	20	167
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	1	9
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	2	318
500090	0	0	0	0	0	0	0	0	14	135
9000000001	0	0	0	0	0	0	0	0	14	199
9800000001	4	159	0	0	1	4	0	0	57	1085
9900000001	19	28	0	0	5	4	27	20	201	211
Month Tot	36	493	1	497	7	83	52	2285	406	10284
Y-T-D Tot	36	493	1	497	7	83	52	2285	406	10284
NC YTD Tot*	3	155	1	497	0	0	1	1350	32	8020

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 92

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	1	194	8	473	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	1	96	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	4	2646	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	1	6	1	3	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	1	95	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	1	34	0	0	0	0
290050	10	1537	0	0	0	0	2	27	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	2	47	0	0	12	106	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	8	64	2	15	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	1	5	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	1	534	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	0	0	0	0	3	29
9000000001	2	78	0	0	2	19	0	0	0	0
9800000001	0	0	10	26	7	151	0	0	0	0
9900000001	36	15	180	16	150	64	10	8	5	3
Month Tot	55	4857	193	337	191	1014	14	50	8	32
Y-T-D Tot	55	4857	193	337	191	1014	14	50	8	32
NC YTD Tot*	0	0	2	289	9	485	0	0	0	0

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 92

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	1	211	0	0	0	0
100035	0	0	0	0	1	429	0	0	0	0
100045	0	0	0	0	2	209	0	0	3	253
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	1	144	0	0	0	0	0	0
110050	0	0	0	0	4	1739	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	2	113	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	10	63
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	3	63
995090	0	0	2	25	0	0	0	0	2	32
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	1	10	0	0	4	165
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	1	65	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	14	0	0	0	0	6	54
700020	0	0	1	327	0	0	0	0	1	14
700080	0	0	0	0	0	0	0	0	6	36
8460110080	0	0	1	77	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	3	941	5	300	2	155	1	66
210080	0	0	0	0	0	0	0	0	1	244
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	6	556
310080	0	0	1	77	1	23	0	0	0	0
390050	0	0	0	0	4	30	0	0	9	59
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	1	16	0	0	1	14
900060	0	0	0	0	0	0	0	0	0	0
900080	7	80	2	19	4	19	0	0	17	157
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	1	4	0	0	0	0	1	21
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	8	440	0	0	0	0
401090	1	770	1	396	0	0	0	0	2	182
405060	0	0	1	56	0	0	0	0	1	13
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	2	29	3	55	0	0	8	99
9000000001	0	0	11	138	6	98	0	0	4	33
9800000001	11	74	4	1083	20	2159	0	0	226	447
9900000001	125	88	366	42	75	84	34	27	861	276
Month Tot	144	1012	400	3486	137	5887	36	182	1173	2845
Y-T-D Tot	144	1012	400	3486	137	5887	36	182	1173	2845
NC YTD Tot*	0	0	4	625	10	2676	0	0	5	511

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 92

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	8	425	0	0	0	0	0	0	0	0
8457100015	1	151	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	1	1426	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	1	704
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	1	112	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	3	108	0	0	0	0	0	0	0	0
610080	0	0	1	80	0	0	0	0	1	1517
690050	0	0	0	0	0	0	3	220	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	1	12
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	1	100	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	8	300	0	0	0	0	0	0	5	172
310080	0	0	0	0	0	0	0	0	2	66
390050	0	0	4	29	0	0	1	5	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	8	61	0	0	0	0	5	52	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	2	20	1	3	0	0	0	0	1	14
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	1	18	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	10	42	6	170	1	12	0	0	0	0
9000000001	2	12	1	23	2	27	2	28	13	70
9800000001	1	5	1	400	1	3	0	0	5	56
9900000001	52	62	274	54	59	26	89	66	60	69
Month Tot	96	1203	289	870	63	68	102	1897	89	2679
Y-T-D Tot	96	1203	289	870	63	68	102	1897	89	2679
NC YTD Tot*	10	594	1	80	0	0	2	1526	4	2287

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 92

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	3	215
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	1	100	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	3	223
110030	1	60	1	56	0	0	0	0	2	156
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	11	140
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	3	62	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	2	891	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	2	27	5	21
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	2	59
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	1	20	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	1	26
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	10	2573
700020	0	0	0	0	0	0	0	0	1	25
700080	0	0	0	0	0	0	10	106	1	63
8460110080	0	0	0	0	0	0	0	0	2	62
190010	0	0	0	0	0	0	0	0	1	16
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	1	299
310080	0	0	1	20	0	0	0	0	1	25
390050	0	0	0	0	0	0	0	0	2	15
400060	0	0	0	0	0	0	0	0	0	0
400080	16	184	1	16	0	0	0	0	1	19
900060	0	0	0	0	0	0	0	0	0	0
900080	4	42	10	92	0	0	24	257	5	46
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	1	5	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	1	562
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	5	69	0	0	0	0	5	78
9000000001	0	0	3	30	0	0	2	32	13	1000
9800000001	0	0	18	132	0	0	0	0	101	671
9900000001	119	21	109	26	0	0	588	97	433	234
Month Tot	140	307	156	1519	0	0	626	519	605	6528
Y-T-D Tot	140	307	156	1519	0	0	626	519	605	6528
NC YTD Tot*	1	60	4	966	0	0	0	0	16	1412

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92

RELEASED: April 8, 1992

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	35	408	35	408
8462100030	Headers and upsetters, including cold headers	4	3363	4	3363
100050	Forging or die stamping machines, and hammers, n.e.c.	14	1461	14	1461
210080	Bending, folding, straight. or flat. mach., incl presses, NC	39	2914	39	2914
290030	Press brakes, non-NC	1	53	1	53
290040	Bending rolls, non-NC	6	153	6	153
290050	Bending, folding, straight., or flat., n.e.c., non-NC	108	2376	108	2376
310080	Shearing machines, NC	12	802	12	802
390050	Shearing machines, non-NC	19	434	19	434
410080	Punching or notching mach., incl. comb. punch & shear, NC	11	1070	11	1070
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	33	656	33	656
910060	Hydraulic presses, NC	2	141	2	141
910090	Hydraulic presses, non-NC	37	1158	37	1158
990030	Presses, n.e.c., NC	11	651	11	651
990040	Presses, mechanical, non-NC	2	771	2	771
990060	Presses, n.e.c., non-NC	46	5247	46	5247
8463100080	Draw benches for bars, tubes, profiles, wire or the like	13	901	13	901
200080	Thread rolling machines	0	0	0	0
300080	Machines for working wire	34	1002	34	1002
900080	Metal forming machine tools, n.e.c.	139	9179	139	9179
9800000002	Used or rebuilt machine tools	138	2553	138	2553
9900000002	Machine tools valued at less than $3,025	834	717	834	717

	TOTAL YTD UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000
Forming Total			1538	36011
Y-T-D Forming Total	1538	36011		
NC Y-T-D Forming Total	75	5578		
Cutting and Forming Totals:				
Monthly Total			6557	84944
Y-T-D Total	6557	84944		
NC Y-T-D Total*	180	27111		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	54307	0	54307
2000000000	Parts for working rubber or plastics - heading 8477	0	22178	0	22178
2710003070	Quenching or cutting oils	0	578	0	578
8428900010	Industrial robots for lifting, handling, loading or unload	90	675	90	675
8431390090	Parts industrial robots, handling and loading - heading 8428	0	8190	0	8190
8456100000	Laser, light or photon beam for working any material	45	1637	45	1637
200000	Ultrasonic process for working any material	2	51	2	51
8477106010	Injection molding mach., for rubber or oth. thermosetting	28	2803	28	2803
106070	Injection molding machines, for thermoplastics	58	8269	58	8269
200005	Extruders; rubber or other thermosetting mat., single screw	1	839	1	839
200015	Extruders; rubber or thermosetting, other incl. multi. screw	8	490	8	490
200030	Extruders; thermoplastics, single screw	11	2032	11	2032
200060	Extruders; thermoplastics, other incl. multi. screw	5	317	5	317
300000	Blow molding machines	106	6328	106	6328
400000	Vacuum-molding and other thermoforming machines	121	2438	121	2438
510010	Machines for molding or retreading pneumatic tires	732	3048	732	3048
510090	Machines for molding or otherwise forming inner tubes	128	418	128	418
590000	Machines for molding or otherwise forming n.e.c.	69	1657	69	1657
800000	Machines for working rubber or plastics n.e.c.	346	7291	346	7291
8479899040	Industrial robots, n.e.c.	391	5696	391	5696
908040	Industrial robot parts	0	2302	0	2302
8537100030	Numerical controls for controlling machine tools	139	1921	139	1921
9024100000	Machines and appliances for testing metals	0	4210	0	4210
9031100000	Machines for balancing mechanical parts	0	4228	0	4228
300000	Profile projectors	0	268	0	268
9032810040	Industrial process control instr., hydraulic or pneumatic	40471	2978	40471	2978

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92

Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	1	980	1	1040	1	83
100050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	2	84	0	0	2	160
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	4	109
290050	1	14	0	0	43	1065	0	0	28	400
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	4	107
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	0	0	0	0	0	0	11	91
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	2	81
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	0	0	1	12
8463100080	1	23	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	2	71	0	0	0	0	0	0	0	0
900080	0	0	0	0	0	0	0	0	8	162
9800000002	2	31	0	0	0	0	0	0	32	596
9900000002	9	11	0	0	16	16	0	0	89	106
Month Tot	15	149	0	0	62	2145	1	1040	182	1906
Y-T-D Tot	15	149	0	0	62	2145	1	1040	182	1906
NC YTD Tot	0	0	0	0	2	84	0	0	2	160
C&F Month	51	642	1	497	69	2228	53	3325	588	12190
C&F Y-T-D	51	642	1	497	69	2228	53	3325	588	12190
C&F NC YTD*	3	155	1	497	2	84	1	1350	34	8179

Other Manufacturing Technology

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	975	0	247	0	592	0	1137	0	9362
2000000000	0	197	0	86	0	733	0	260	0	4819
2710003070	0	13	0	0	0	12	0	3	0	121
8428900010	8	75	0	0	0	0	0	0	23	232
8431390090	0	649	0	0	0	39	0	13	0	654
8456100000	0	0	0	0	0	0	0	0	1	446
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	4	242
106070	0	0	0	0	0	0	15	3252	9	1069
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	7	440
200030	0	0	2	61	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	11	212	0	0
400000	0	0	0	0	0	0	0	0	0	0
510010	7	6	0	0	0	0	1	64	66	1693
510090	0	0	0	0	0	0	0	0	0	0
590000	1	14	0	0	0	0	0	0	4	244
800000	3	41	0	0	0	0	0	0	66	1837
8479899040	0	0	0	0	0	0	0	0	196	1783
908040	0	0	0	0	0	5	0	0	0	1316
8537100030	0	0	1	12	0	0	0	0	21	260
9024100000	0	8	0	12	0	40	0	72	0	426
9031100000	0	31	0	0	0	0	0	19	0	3594
300000	0	0	0	0	0	0	0	7	0	21
9032810040	113	51	242	12	331	26	63	7	1811	164

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92

Metal Forming

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	9	101	1	34	9	98	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	5	300	0	0	0	0	0	0
210080	1	528	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	4	43
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	1	15	0	0	0	0
410080	0	0	0	0	1	35	0	0	0	0
490050	0	0	0	0	2	7	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	2	48	0	0	8	277
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	8	1809	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	3	62	0	0	0	0
900080	0	0	3	2734	16	1017	0	0	0	0
9800000002	0	0	3	115	2	44	0	0	0	0
9900000002	0	0	28	29	42	24	7	4	0	0
Month Tot	1	528	48	3279	78	3096	16	102	12	320
Y-T-D Tot	1	528	48	3279	78	3096	16	102	12	320
NC YTD Tot	1	528	0	0	1	35	0	0	0	0
C&F Month	56	5385	241	3616	269	4110	30	152	20	352
C&F Y-T-D	56	5385	241	3616	269	4110	30	152	20	352
C&F NC YTD*	1	528	2	289	10	520	0	0	0	0

Other Manufacturing Technology

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	352	0	1657	0	4483	0	280	0	317
2000000000	0	668	0	558	0	2649	0	124	0	29
2710003070	0	0	0	0	0	27	0	0	0	46
8428900010	0	0	17	171	0	0	0	0	0	0
8431390090	0	36	0	110	0	0	0	5	0	377
8456100000	0	0	0	0	0	0	0	0	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	1	69	14	1641	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	2	1619	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	1	12	6	68	0	0	0	0
400000	0	0	0	0	0	0	0	0	0	0
510010	2	150	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	5	64	14	440	2	23	1	25
800000	2	7	0	0	80	56	1	38	0	0
8479899040	0	0	78	561	15	124	0	0	0	0
908040	0	0	0	21	0	494	0	0	0	0
8537100030	4	59	15	178	11	148	0	0	0	0
9024100000	0	140	0	187	0	158	0	0	0	16
100000	0	7	0	3	0	0	0	31	0	0
300000	0	143	0	0	0	0	0	0	0	0
9032810040	0	0	562	33	5532	305	111	22	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92

Metal Forming

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	6	44
8462100030	0	0	1	1260	0	0	0	0	0	0
100050	0	0	0	0	4	819	0	0	2	81
210080	0	0	2	86	0	0	0	0	9	982
290030	0	0	0	0	0	0	0	0	1	53
290040	0	0	0	0	0	0	0	0	2	44
290050	7	180	7	182	0	0	0	0	9	254
310080	0	0	1	60	0	0	0	0	4	314
390050	0	0	0	0	1	56	0	0	9	194
410080	1	85	0	0	0	0	0	0	2	104
490050	1	13	1	146	6	69	0	0	6	188
910060	0	0	0	0	0	0	0	0	1	58
910090	1	64	0	0	0	0	0	0	20	603
990030	1	44	0	0	10	606	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	3	52	0	0	0	0	28	2842
8463100080	0	0	1	11	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	5	208	0	0	0	0	8	210
900080	2	10	50	1006	14	1853	0	0	14	179
9800000002	0	0	7	124	14	302	2	8	55	755
9900000002	77	31	33	31	17	14	5	4	235	244
Month Tot	90	427	111	3165	66	3719	7	12	411	7147
Y-T-D Tot	90	427	111	3165	66	3719	7	12	411	7147
NC YTD Tot	2	129	3	146	10	606	0	0	16	1457
C&F Month	234	1439	511	6651	203	9607	43	193	1584	9993
C&F Y-T-D	234	1439	511	6651	203	9607	43	193	1584	9993
C&F NC YTD*	2	129	7	771	20	3282	0	0	21	1968

Other Manufacturing Technology

1000000000	0	2306	0	8058	0	1780	0	516	0	4024
2000000000	0	243	0	2137	0	730	0	488	0	1813
2710003070	0	0	0	8	0	0	0	5	0	16
8428900010	1	4	23	22	0	0	1	3	1	9
8431390090	0	20	0	94	0	22	0	0	0	2821
8456100000	1	124	1	15	0	0	0	0	0	0
200000	2	51	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	16	1988
106070	0	0	3	296	0	0	0	0	7	444
200005	0	0	0	0	0	0	0	0	1	839
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	0	0	3	70	1	148
200060	0	0	0	0	0	0	0	0	4	292
300000	36	959	0	0	1	1745	0	0	10	1912
400000	0	0	17	6	2	9	0	0	15	217
510010	0	0	0	0	12	279	0	0	4	12
510090	0	0	0	0	0	0	0	0	3	110
590000	3	28	10	226	0	0	0	0	11	57
800000	1	8	7	1138	1	660	2	217	123	2731
8479899040	1	3	2	160	0	0	0	0	69	1055
908040	0	19	0	101	0	0	0	0	0	24
8537100030	5	64	19	331	3	34	0	0	1	15
9024100000	0	37	0	997	0	178	0	0	0	140
100000	0	0	0	16	0	25	0	0	0	69
300000	0	0	0	44	0	0	0	0	0	12
9032810040	2404	249	5279	352	2047	114	4	3	407	91

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92

Metal Forming

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	3	1	12	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	2	157	1	103	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	8	350
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	1	22	0	0	0	0	1	18	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	2	28	0	0	0	0	0	0
410080	2	175	0	0	0	0	0	0	3	315
490050	1	6	0	0	0	0	0	0	1	5
910060	0	0	0	0	0	0	0	0	0	0
910090	1	7	0	0	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	0	0	1	73
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	144	1	16	1	23	6	137
900080	3	18	1	12	2	62	0	0	4	74
9800000002	0	0	2	150	1	6	0	0	0	0
9900000002	12	10	24	19	0	0	40	34	0	0
Month Tot	23	398	32	467	4	84	42	76	23	955
Y-T-D Tot	23	398	32	467	4	84	42	76	23	955
NC YTD Tot	2	175	0	0	0	0	0	0	11	665
C&F Month	119	1601	321	1337	67	153	144	1973	112	3634
C&F Y-T-D	119	1601	321	1337	67	153	144	1973	112	3634
C&F NC YTD*	12	769	1	80	0	0	2	1526	15	2952

Other Manufacturing Technology

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	626	0	686	0	321	0	591	0	1885
2000000000	0	319	0	267	0	90	0	262	0	111
2710003070	0	42	0	13	0	0	0	0	0	96
8428900010	10	105	0	0	0	0	0	0	0	0
8431390090	0	17	0	67	0	12	0	0	0	145
8456100000	1	110	0	0	0	0	4	93	28	659
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	1	77	0	0
106070	0	0	0	0	0	0	1	50	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	1	51
200030	0	0	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	3	6	0	0	0	0	0	0	0	0
400000	0	0	0	0	0	0	0	0	0	0
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	3	47	0	0	6	63	0	0	1	144
800000	0	0	1	9	0	0	0	0	2	3
8479899040	1	3	6	1360	1	315	8	107	0	0
908040	0	6	0	4	0	0	0	89	0	0
8537100030	8	111	2	26	1	12	0	0	2	30
9024100000	0	31	0	93	0	32	0	0	0	281
9031100000	0	24	0	12	0	0	0	0	0	160
300000	0	0	0	7	0	0	0	6	0	10
9032810040	6150	370	311	79	4073	207	96	12	749	38

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92

Metal Forming

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	6	106	0	0	1	4	1	7
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	54	0	0	0	0	14	671
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	2	51	0	0	0	0	0	0	5	147
310080	0	0	0	0	0	0	0	0	7	428
390050	0	0	2	36	0	0	0	0	0	0
410080	0	0	2	356	0	0	0	0	0	0
490050	1	7	1	9	0	0	0	0	2	113
910060	0	0	0	0	0	0	0	0	1	84
910090	1	38	1	34	0	0	0	0	1	6
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	1	741	0	0	0	0	1	30
990060	0	0	3	86	0	0	0	0	2	374
8463100080	0	0	1	6	0	0	0	0	10	861
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	2	44	0	0	0	0	5	86
900080	1	4	2	33	0	0	0	0	19	2017
9800000002	3	28	1	240	0	0	2	22	12	132
9900000002	0	0	18	20	0	0	0	0	182	121
Month Tot	8	128	41	1763	0	0	3	26	262	5077
Y-T-D Tot	8	128	41	1763	0	0	3	26	262	5077
NC YTD Tot	0	0	3	409	0	0	0	0	22	1183
C&F Month	148	434	197	3283	0	0	629	544	867	11605
C&F Y-T-D	148	434	197	3283	0	0	629	544	867	11605
C&F NC YTD*	1	60	7	1376	0	0	0	0	38	2595

Other Manufacturing Technology

1000000000	0	134	0	3406	0	223	0	1097	0	9254
2000000000	0	1243	0	883	0	0	0	420	0	3052
2710003070	0	0	0	8	0	0	0	4	0	164
8428900010	0	0	6	54	0	0	0	0	0	0
8431390090	0	352	0	587	0	0	0	284	0	1888
8456100000	0	0	8	176	0	0	0	0	1	14
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	1	42	6	454
106070	0	0	1	40	0	0	4	365	3	1043
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	1	28	0	0	0	0	2	107
200060	0	0	0	0	0	0	1	25	0	0
300000	0	0	2	611	0	0	21	390	15	414
400000	1	9	3	29	0	0	0	0	83	2167
510010	0	0	20	5	0	0	2	7	618	832
510090	123	263	0	0	0	0	0	0	2	45
590000	0	0	8	283	0	0	0	0	0	0
800000	0	0	6	100	0	0	1	12	50	433
8479899040	0	0	10	63	0	0	0	0	4	161
908040	0	0	0	122	0	0	0	0	0	102
8537100030	0	0	15	204	0	0	4	56	27	381
9024100000	0	33	0	606	0	0	0	12	0	710
9031100000	0	0	0	14	0	0	0	11	0	213
300000	0	0	0	3	0	0	0	0	0	14
9032810040	0	0	4145	343	702	32	1100	66	4239	403

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	0	0	0	0	0	0
Denmark	2	7	2	66	4	72
Finland	0	0	0	0	0	0
Greece	0	0	0	0	0	0
Hungary	0	0	0	0	0	0
Iceland	0	0	0	0	0	0
Ireland	2	324	10	26	12	350
Luxembourg	0	0	0	0	0	0
Norway	7	10	14	18	21	28
Poland	2	2416	0	0	2	2416
Portugal	2	13	0	0	2	13
Romania	0	0	0	0	0	0
Sweden	5	32	40	33	45	65
Turkey	1	562	1	22	2	584
Yugoslavia	0	0	0	0	0	0
Oth Europe	0	0	0	0	0	0
TOTAL	974	10993	455	11434	1429	22426
NORTH AND CENTRAL AMERICA						
Bahamas	0	0	0	0	0	0
Barbados	2	17	0	0	2	17
Belize	0	0	1	6	1	6
Bermuda	0	0	0	0	0	0
Costa Rica	0	0	4	3	4	3
Dominican Rep	18	116	7	94	25	210
El Salvador	0	0	4	105	4	105
Guatemala	0	0	7	428	7	428
Haiti	0	0	0	0	0	0
Honduras	45	31	0	0	45	31
Jamaica	0	0	4	701	4	701
Panama	0	0	1	7	1	7
Trinidad	0	0	2	55	2	55
Oth N & C Am.	10	129	0	0	10	129
TOTAL	1654	13421	623	10453	2277	23874
SOUTH AMERICA						
Argentina	62	263	1	84	63	347
Bolivia	0	0	0	0	0	0
Chile	21	249	2	78	23	327
Colombia	6	73	9	18	15	91
Ecuador	1	5	1	5	2	10
Paraguay	0	0	0	0	0	0
Peru	6	18	0	0	6	18
Uruguay	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	774	3411	17	1250	791	4662
OCEANIA						
New Zealand	1	10	13	12	14	21
Oth Oceania	0	0	5	4	5	4
TOTAL	37	503	33	165	70	668

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	91	973	30	42	121	1015
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	14	49	0	0	14	49
Jordan	0	0	0	0	0	0
Kuwait	1	16	0	0	1	16
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	26	105	76	737	102	843
Qatar	0	0	0	0	0	0
Saudi Arabia	10	351	17	1969	27	2320
Sri Lanka	0	0	0	0	0	0
Syria	0	0	0	0	0	0
United Arab Emr	5	64	3	63	8	127
Vietnam	0	0	0	0	0	0
Oth Asia	0	0	0	0	0	0
TOTAL	1315	19907	402	12207	1717	32114
AFRICA						
Algeria	0	0	1	15	1	15
Botswana	0	0	0	0	0	0
Egypt	16	222	2	436	18	658
Ethiopia	0	0	0	0	0	0
Gabon	25	217	0	0	25	217
Ghana	0	0	0	0	0	0
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	22	14	0	0	22	14
Niger	0	0	0	0	0	0
Nigeria	0	0	1	30	1	30
South Africa	32	40	4	21	36	61
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	166	5	0	0	166	5
Oth Africa	4	200	0	0	4	200
TOTAL	265	698	8	502	273	1200

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS - Metal Cutting Machine Tools - January 92

RELEASED: April 8, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301020	Traveling wire electro-discharge machines	51	4220	51	4220
301050	Electro-discharge machines, n.e.c., NC	23	1860	23	1860
301070	Electro-discharge machines, n.e.c., non-NC	13	191	13	191
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	150	11447	150	11447
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	9	2456	9	2456
100035	Horizontal machining centers, ATC	34	6884	34	6884
100045	Machining centers, n.e.c.	7	2066	7	2066
200010	Unit construction mach. (single station transfer), NC	0	0	0	0
200090	Unit construction mach. (single station transfer), non-NC	2	110	2	110
300010	Multi-station transfer machines, NC	7	14523	7	14523
300090	Multi-station transfer machines, non-NC	9	4849	9	4849
8458110010	Horizontal lathes, multiple spindle, NC	15	2794	15	2794
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	115	8655	115	8655
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	18	2447	18	2447
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	5	1339	5	1339
190030	Horizontal engine or toolroom lathes, non-NC	155	1424	155	1424
190050	Automatic bar and/or chucking mach., single spindle, non-NC	14	866	14	866
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	4	485	4	485
190090	Horizontal lathes, n.e.c., non-NC	10	125	10	125
911060	Vertical turret lathes, multiple spindle, NC	0	0	0	0
911080	Vertical turret lathes, n.e.c., NC	6	322	6	322
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	10	872	10	872
991050	Vertical turret lathes, non-NC	3	110	3	110
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	21	377	21	377
8459100000	Way-type unit head machines	0	0	0	0
210080	Other drilling machines, NC	15	2092	15	2092
290040	Drilling machines, multiple spindle, non-NC	18	1874	18	1874
290050	Drilling machines, radial, non-NC	14	114	14	114
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	0	0	0	0
290090	Drilling machines, n.e.c., non-NC	50	626	50	626
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	1	438	1	438
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	7	988	7	988
310070	Boring-milling machines, n.e.c., NC	0	0	0	0
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	5	339	5	339
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	2	54	2	54
400040	Boring machines, vertical, NC	1	419	1	419
400050	Boring machines, vertical, non-NC	1	23	1	23
400070	Boring machines, n.e.c., NC	0	0	0	0
400080	Boring machines, n.e.c., non-NC	8	1203	8	1203
510080	Milling machines, knee type, NC	13	82	13	82
590030	Milling machines, knee type, non-NC	94	1185	94	1185
610080	Milling machines, excluding knee type, n.e.c., NC	9	2222	9	2222
690050	Milling machines, profile, dup., or die sinking, non-NC	0	0	0	0
690070	Milling machines, bed type, non-NC	17	603	17	603
690090	Milling machines, n.e.c., non-NC	5	314	5	314
700020	Threading or tapping machines, n.e.c., NC	38	2566	38	2566
700080	Threading or tapping machines, n.e.c., non-NC	3	99	3	99
8460110080	Flat surface grinding machines, NC	8	855	8	855
190010	Flat surface grinding mach., recip.-table type, non-NC	60	755	60	755
190050	Flat surface grinding machines, n.e.c., non-NC	69	2465	69	2465
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	32	9340	32	9340
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	19	704	19	704
290030	Grinding machines, internal cylindrical, non-NC	14	1930	14	1930
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	55	4058	55	4058
310080	Sharpening machines (tool & cutter grinding), NC	9	350	9	350
390050	Sharpening machines (tool & cutter grinding), non-NC	136	954	136	954
400060	Honing or lapping machines, NC	2	229	2	229
400080	Honing or lapping machines, non-NC	29	3278	29	3278
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	2	21	2	21
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	77	2540	77	2540
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	0	0	0	0
200010	Shaping or slotting machines, NC	1	82	1	82
200090	Shaping or slotting machines, non-NC	10	1751	10	1751
300060	Broaching machines, NC	1	349	1	349
300080	Broaching machines, non-NC	3	1589	3	1589
401020	Gear cutting for bevel gears	0	0	0	0
401030	Gear hobbers	9	4521	9	4521
401040	Gear shapers	3	46	3	46
401060	Gear cutting machines, n.e.c.	21	2	21	2
405050	Gear grinding or finishing for bevel gears	1	933	1	933
405070	Gear grinding or finishing machines, n.e.c.	3	669	3	669
500050	Sawing or cutting-off machines, NC	5	38	5	38
500090	Sawing or cutting-off machines, non-NC	115	2234	115	2234
9000000001	Metal cutting machine tools, n.e.c.	17	1319	17	1319
9800000001	Used or rebuilt machine tools	1462	2960	1462	2960
9900000001	Machine tools valued at less than $3,025	91548	7381	91548	7381
	Cutting Total			94693	135017
	Y-T-D Cutting Total	94693	135017		
	NC Y-T-D Cutting Total	594	79955		

Please see notes on last page
of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - January 92

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	1	621	1	29	0	0	3	184
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	4	731	0	0	3	13792
300090	0	0	0	0	0	0	0	0	3	4030
8458110010	0	0	6	261	0	0	0	0	1	721
110030	0	0	0	0	0	0	0	0	1	253
110050	0	0	0	0	0	0	0	0	3	162
110090	0	0	0	0	0	0	0	0	2	461
190030	0	0	4	50	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	1	27
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	1	4	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	1	106	0	0
995090	0	0	14	81	0	0	0	0	2	15
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	6	111
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	3	36	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	1	33	0	0	0	0	0	0	1	5
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	3	911
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	1	298	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	47
400040	0	0	0	0	0	0	0	0	1	419
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	942
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	1	14	1	200	0	0	0	0
610080	0	0	0	0	3	9	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	1	3	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	1	70
8460110080	0	0	0	0	1	55	0	0	1	125
190010	0	0	0	0	0	0	0	0	3	150
190050	0	0	0	0	0	0	3	12	1	11
210080	0	0	0	0	0	0	0	0	10	4425
290010	0	0	0	0	4	14	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	22	2334
310080	0	0	0	0	0	0	0	0	6	183
390050	0	0	0	0	5	20	0	0	2	7
400060	0	0	0	0	0	0	0	0	2	229
400080	0	0	0	0	2	28	0	0	12	1864
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	3	63	0	0	5	922
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	1	82
200090	0	0	0	0	1	3	0	0	7	1342
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	7	4343
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	1	933
405070	0	0	0	0	0	0	0	0	1	652
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	17	152	0	0	10	483
9000000001	0	0	0	0	0	0	0	0	11	1032
9800000001	0	0	0	0	40	118	0	0	13	285
9900000001	2	3	0	0	89	37	114	194	319	209
Month Tot	3	36	29	1062	174	1767	118	312	467	41757
Y-T-D Tot	3	36	29	1062	174	1767	118	312	467	41757
NC YTD Tot	0	0	7	882	9	824	0	0	43	22057

Please see notes on last page of the metal forming section.

U.S. IMPORTS – Metal Cutting Machine Tools – January 92

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	36	3309	0	0	0	0	0	0
301050	0	0	19	1361	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	114	9366	0	0	18	1061	0	0
100025	1	1239	8	1216	0	0	0	0	0	0
100035	0	0	31	6645	3	239	0	0	0	0
100045	2	1233	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	2	208	1	184	0	0	0	0	0	0
8458110010	0	0	8	1812	0	0	0	0	0	0
110030	0	0	72	6599	11	674	0	0	0	0
110050	0	0	15	2285	0	0	0	0	0	0
110090	0	0	2	574	0	0	0	0	0	0
190030	0	0	0	0	0	0	13	170	4	167
190050	0	0	1	44	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	10	872	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	1	4	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	9	1981	0	0	0	0	0	0
290040	0	0	16	1867	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	1	4	3	245	0	0	0	0	31	285
310010	0	0	1	438	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	1	23	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	5	82	2	178	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	1	4	0	0	0	0	72	634
610080	0	0	3	561	0	0	2	70	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	11	402
690090	1	18	1	92	0	0	0	0	0	0
700020	0	0	32	2416	0	0	0	0	0	0
700080	0	0	2	29	0	0	0	0	0	0
8460110080	0	0	1	75	0	0	0	0	0	0
190010	3	53	1	68	0	0	43	378	0	0
190050	1	25	7	1331	0	0	0	0	1	55
210080	0	0	14	2889	0	0	0	0	0	0
290010	2	34	2	350	0	0	0	0	0	0
290030	0	0	7	1859	0	0	0	0	0	0
290050	0	0	1	4	0	0	0	0	0	0
310080	1	1	1	74	0	0	0	0	0	0
390050	0	0	115	764	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	7	251	29	314	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	2	406	0	0	0	0	0	0
300060	0	0	1	349	0	0	0	0	0	0
300080	0	0	3	1589	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	1	165	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	2	17	0	0	0	0	0	0	0	0
500050	3	19	2	19	0	0	0	0	0	0
500090	25	96	19	1134	5	24	0	0	0	0
9000000001	1	4	2	208	0	0	0	0	0	0
9800000001	1	9	32	1673	0	0	0	0	2	10
9900000001	1867	437	5790	936	735	65	0	0	0	0
Month Tot	1926	3755	6418	56287	754	1001	76	1679	121	1552
Y-T-D Tot	1926	3755	6418	56287	754	1001	76	1679	121	1552
NC YTD Tot	7	2493	379	42841	14	912	20	1131	0	0

Please see notes on last page of the metal forming section.

U.S. IMPORTS – Metal Cutting Machine Tools – January 92

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	3	378	0	0	0	0	12	533
301050	0	0	4	500	0	0	0	0	0	0
301070	0	0	0	0	12	120	0	0	1	71
8457100015	0	0	0	0	7	267	8	607	3	146
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	2	110	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	3	427	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	3	252	0	0	9	528	19	350
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	1	304	0	0
190030	0	0	0	0	56	421	1	14	77	602
190050	0	0	0	0	8	51	4	744	0	0
190070	0	0	3	457	0	0	1	28	0	0
190090	0	0	0	0	0	0	7	110	2	11
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	6	322	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	2	4	0	0
995090	0	0	1	9	1	141	1	122	1	4
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	2	7	0	0	0	0	0	0
290050	0	0	0	0	11	78	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	12	49	0	0	0	0	1	6	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	4	77
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	4	41	0	0
390050	0	0	0	0	1	7	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	5	42	0	0	8	40
590030	0	0	0	0	1	10	18	323	0	0
610080	0	0	1	1582	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	6	201	0	0	0	0	0	0	0	0
690090	0	0	2	201	0	0	0	0	0	0
700020	0	0	0	0	6	150	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	1	525	4	75	0	0	0	0
190010	0	0	0	0	4	34	0	0	6	73
190050	0	0	0	0	51	462	2	560	3	10
210080	0	0	3	668	0	0	5	1358	0	0
290010	1	9	4	250	3	42	3	5	0	0
290030	0	0	0	0	0	0	0	0	7	71
290050	1	457	3	1028	16	192	7	38	5	7
310080	0	0	0	0	0	0	0	0	1	91
390050	0	0	0	0	0	0	14	162	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	2	24	4	1268	0	0	9	94	0	0
900060	0	0	0	0	0	0	0	0	2	21
900080	1	8	9	765	2	18	7	52	14	147
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	1	14	0	0
401040	0	0	0	0	0	0	0	0	3	46
401060	0	0	21	2	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	28	251	0	0	11	94
9000000001	1	9	0	0	0	0	1	34	1	33
9800000001	0	0	3	85	13	188	36	422	1322	170
9900000001	155	294	15	21	70172	4565	30	52	12260	567
Month Tot	181	1162	85	8425	70401	7113	178	5944	13762	3165
Y-T-D Tot	181	1162	85	8425	70401	7113	178	5944	13762	3165
NC YTD Tot	0	0	15	3905	22	534	29	3119	49	1258

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92

RELEASED: April 8, 1992

	Metal Forming Machine Tools	TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	13	2044	13	2044
8462100030	Headers and upsetters, including cold headers	5	798	5	798
100050	Forging or die stamping machines, and hammers, n.e.c.	99	1208	99	1208
210080	Bending, folding, straight. or flat. mach., incl presses, NC	60	5336	60	5336
290030	Press brakes, non-NC	16	540	16	540
290040	Bending rolls, non-NC	1	12	1	12
290050	Bending, folding, straight., or flat., n.e.c., non-NC	74	6086	74	6086
310080	Shearing machines, NC	0	0	0	0
390050	Shearing machines, non-NC	42	3883	42	3883
410080	Punching or notching mach., incl. comb. punch & shear, NC	35	2532	35	2532
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	23	1061	23	1061
910060	Hydraulic presses, NC	1	1586	1	1586
910090	Hydraulic presses, non-NC	64	5229	64	5229
990030	Presses, n.e.c., NC	0	0	0	0
990035	Mechanical transfer presses, non-NC	1	6590	1	6590
990045	Mechanical presses, n.e.c., non-NC	1	303	1	303
990060	Presses, n.e.c., non-NC	34	2243	34	2243
8463100080	Draw benches for bars, tubes, profiles, wire or the like	10	1570	10	1570
200080	Thread rolling machines	16	442	16	442
300080	Machines for working wire	64	3645	64	3645
900080	Metal forming machine tools, n.e.c.	48	2316	48	2316
9800000002	Used or rebuilt machine tools	133	1434	133	1434
9900000002	Machine tools valued at less than $3,025	984	506	984	506
	Forming Total			1724	49365
	Y-T-D Forming Total	1724	49365		
	NC Y-T-D Forming Total	96	9454		
	Cutting and Forming Totals:				
	Monthly Total			96417	184382
	Y-T-D Total	96417	184382		
	NC Y-T-D Total	690	89409		

	Other Manufacturing Technology	TOTAL YTD		TOTAL MO.	
1000000000	Machine tool parts and accessories	0	38279	0	38279
2000000000	Parts for working rubber or plastics - heading 8477	0	22373	0	22373
2710003070	Quenching or cutting oils	0	46	0	46
8428900010	Industrial robots for lifting, handling, loading or unload	64	2487	64	2487
8431390080	Parts industrial robots, handling and loading - heading 8428	0	5662	0	5662
8456101010	Laser, light or photon beam for working metal, NC	18	3461	18	3461
101020	Laser, light or photon beam for working metal, non-NC	6	1336	6	1336
105000	Laser, light or photon beam for other materials	3	472	3	472
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	1	4	1	4
205000	Ultrasonic processes for working other materials	15	51	15	51
8477103000	Injection molding mach., for manufacturing shoes	2	327	2	327
106010	Injection molding mach., for rubber or oth. thermosetting	117	13584	117	13584
106050	Injection molding mach., for thermoplastics	293	22123	293	22123
200005	Extruders; rubber or other thermosetting mat., single screw	3	170	3	170
200015	Extruders; rubber or thermosetting, other incl. multi. screw	7	414	7	414
200035	Extruders; thermoplastics, single screw, less than 6.4cm	0	0	0	0
200045	Extruders; thermoplastics, single screw, 6.4cm or greater	7	2053	7	2053
200055	Extruders; thermoplastics, mutli. screw, less than 6.4cm	5	367	5	367
200065	Extruders; thermoplastics, multi. screw, 6.4cm or larger	8	3511	8	3511
300000	Blow molding machines	16	3838	16	3838
400000	Vacuum-molding and other thermoforming machines	18	72	18	72
510010	Machines for molding or retreading pneumatic tires	49	876	49	876
510090	Machines for molding or otherwise forming inner tubes	4	241	4	241
590000	Machines for molding or otherwise forming n.e.c.	159	3930	159	3930
800000	Machines for working rubber or plastics n.e.c.	327	12954	327	12954
8479899040	Industrial robots, n.e.c.	89	3714	89	3714
908040	Industrial robot parts	0	2212	0	2212
8537100030	Numerical controls for controlling machine tools	376	1751	376	1751
9024100000	Machines and appliances for testing metals	0	485	0	485
9031100000	Machines for balancing mechanical parts	0	562	0	562
300000	Profile projectors	0	186	0	186
9032810020	Industrial process control instr., hydraulic	11678	127	11678	127
810060	Industrial process control instr., pneumatic	6660	125	6660	125

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92

Metal Forming

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	3	324	0	0	2	518
8462100030	0	0	0	0	1	19	0	0	1	428
100050	0	0	7	9	2	90	0	0	79	79
210080	2	227	0	0	12	720	0	0	17	2078
290030	0	0	0	0	14	475	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	13	277	0	0	6	442
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	1	13	0	0	1	83
410080	0	0	0	0	0	0	0	0	5	153
490050	0	0	0	0	2	28	0	0	1	8
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	5	357	0	0	6	773
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	0	0	1	303
990060	0	0	0	0	19	1226	0	0	0	0
8463100080	2	1024	0	0	0	0	0	0	8	546
200080	0	0	0	0	1	19	0	0	3	279
300080	4	1160	0	0	0	0	0	0	5	812
900080	0	0	0	0	5	40	0	0	3	48
9800000002	0	0	0	0	42	771	0	0	5	182
9900000002	0	0	0	0	9	9	1	3	21	15
Month Tot	8	2411	7	9	129	4368	1	3	164	6747
Y-T-D Tot	8	2411	7	9	129	4368	1	3	164	6747
NC YTD Tot	2	227	0	0	12	720	0	0	22	2231
C&F Month	11	2446	36	1071	303	6135	119	315	631	48504
C&F Y-T-D	11	2446	36	1071	303	6135	119	315	631	48504
C&F NC YTD	2	227	7	882	21	1544	0	0	65	24288

Other Manufacturing Technology

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	267	0	137	0	6070	0	775	0	6268
2000000000	0	66	0	5	0	5679	0	704	0	6387
2710003070	0	0	0	0	0	31	0	0	0	0
8428900010	0	0	0	0	4	278	0	0	3	210
8431390080	0	0	0	0	0	1190	0	114	0	1405
8456101010	0	0	0	0	0	0	0	0	7	753
101020	0	0	0	0	0	0	0	0	6	1336
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	1	4	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	0	0	3	649	2	213	10	2384
106050	0	0	0	0	43	5679	0	0	49	4237
200005	0	0	0	0	0	0	0	0	3	170
200015	0	0	0	0	3	29	0	0	3	157
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	0	0	0	0	0	0	1	482
200055	0	0	0	0	0	0	0	0	2	164
200065	0	0	0	0	0	0	0	0	5	1029
300000	0	0	0	0	2	15	1	721	3	2162
400000	0	0	0	0	0	0	0	0	14	22
510010	0	0	0	0	16	404	0	0	2	203
510090	0	0	0	0	0	0	0	0	2	3
590000	0	0	0	0	3	448	1	10	6	1853
800000	7	183	0	0	12	640	9	812	65	2224
8479899040	0	0	0	0	3	155	0	0	7	406
908040	0	0	0	0	0	18	0	0	0	758
8537100030	0	0	0	0	1	156	1	15	0	0
9024100000	0	0	0	0	0	58	0	0	0	63
9031100000	0	0	0	0	0	76	0	0	0	45
300000	0	0	0	0	0	0	0	0	0	0
9032810020	0	0	0	0	0	0	0	0	1062	9
810060	0	0	0	0	0	0	3	5	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92

Metal Forming

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	94	7	1109	0	0	0	0	0	0
8462100030	2	209	1	142	0	0	0	0	0	0
100050	0	0	5	587	2	130	0	0	0	0
210080	1	15	22	1000	0	0	0	0	0	0
290030	0	0	2	65	0	0	0	0	0	0
290040	1	12	0	0	0	0	0	0	0	0
290050	1	7	22	4330	0	0	0	0	1	64
310080	0	0	0	0	0	0	0	0	0	0
390050	1	6	14	3492	0	0	0	0	14	175
410080	13	753	16	1435	0	0	0	0	0	0
490050	13	128	1	723	0	0	0	0	5	121
910060	0	0	1	1586	0	0	0	0	0	0
910090	5	59	22	3042	1	9	0	0	4	47
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	1	6590	0	0	0	0	0	0
990045	0	0	0	0	0	0	0	0	0	0
990060	0	0	11	796	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	1	11	0	0	0	0	0	0
300080	0	0	46	1493	0	0	0	0	0	0
900080	0	0	3	166	0	0	0	0	0	0
9800000002	2	2	10	243	0	0	0	0	0	0
9900000002	19	11	237	182	0	0	0	0	0	0
Month Tot	59	1297	422	26992	3	139	0	0	24	407
Y-T-D Tot	59	1297	422	26992	3	139	0	0	24	407
NC YTD Tot	14	768	39	4021	0	0	0	0	0	0
C&F Month	1985	5052	6840	83279	757	1140	76	1679	145	1959
C&F Y-T-D	1985	5052	6840	83279	757	1140	76	1679	145	1959
C&F NC YTD	21	3261	418	46862	14	912	20	1131	0	0

Other Manufacturing Technology

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	967	0	9865	0	157	0	97	0	153
2000000000	0	526	0	5756	0	68	0	1	0	14
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	0	0	29	710	0	0	0	0	0	0
8431390080	0	35	0	532	0	0	0	0	0	365
8456101010	0	0	10	2212	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0 -	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	2	327	0	0	0	0	0	0	0	0
106010	2	400	79	8447	1	42	0	0	0	0
106050	27	303	134	10228	12	312	8	107	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200035	0	0	0	0	0	0	0	0	0	0
200045	2	224	0	0	0	0	0	0	0	0
200055	0	0	2	179	0	0	0	0	0	0
200065	0	0	2	1421	0	0	0	0	0	0
300000	0	0	6	614	0	0	0	0	0	0
400000	0	0	3	5	0	0	0	0	0	0
510010	0	0	29	245	0	0	0	0	1	10
510090	1	236	0	0	0	0	0	0	0	0
590000	0	0	11	890	4	4	129	683	0	0
800000	10	215	136	7462	0	0	0	0	0	0
8479899040	0	0	55	2289	1	47	1	7	0	0
908040	0	3	0	1012	0	0	0	0	0	0
8537100030	1	4	347	1465	0	0	0	0	0	0
9024100000	0	0	0	165	0	0	0	2	0	0
9031100000	0	0	0	411	0	0	0	0	0	0
300000	0	0	0	47	0	0	0	0	0	0
9032810020	0	0	0	0	1988	11	0	0	0	0
810060	365	45	1154	12	0	0	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92

Metal Forming

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	1	223	0	0	1	63	2	27
210080	0	0	0	0	0	0	4	812	2	484
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	19	622	9	319	1	6	2	18	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	7	41	4	73
410080	0	0	0	0	0	0	0	0	1	191
490050	0	0	0	0	0	0	0	0	1	54
910060	0	0	0	0	0	0	0	0	0	0
910090	2	22	0	0	0	0	1	8	18	912
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	0	0	0	0
990060	1	45	0	0	3	175	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	11	133	0	0	0	0
300080	0	0	2	18	2	85	2	8	3	69
900080	0	0	25	1893	1	4	9	47	2	118
9800000002	19	61	0	0	0	0	50	109	5	66
9900000002	0	0	12	17	641	235	20	12	24	22
Month Tot	41	750	49	2471	659	639	96	1116	62	2017
Y-T-D Tot	41	750	49	2471	659	639	96	1116	62	2017
NC YTD Tot	0	0	0	0	0	0	4	812	3	675
C&F Month	222	1912	134	10896	71060	7752	274	7060	13824	5182
C&F Y-T-D	222	1912	134	10896	71060	7752	274	7060	13824	5182
C&F NC YTD	0	0	15	3905	22	534	33	3931	52	1932

Other Manufacturing Technology

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	774	0	2892	0	2306	0	2327	0	5225
2000000000	0	94	0	472	0	566	0	608	0	1428
2710003070	0	0	0	15	0	0	0	0	0	0
8428900010	25	1122	0	0	0	0	1	5	2	163
8431390080	0	120	0	144	0	87	0	962	0	707
8456101010	0	0	1	496	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	2	6	1	466
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	15	51
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	3	89	6	343	0	0	11	1016
106050	0	0	3	393	9	236	0	0	8	629
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	1	229	0	0	0	0
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	0	0	0	0	3	754	1	593
200055	0	0	0	0	0	0	0	0	1	24
200065	0	0	1	1061	0	0	0	0	0	0
300000	0	0	1	209	2	16	0	0	1	101
400000	0	0	0	0	0	0	1	45	0	0
510010	0	0	0	0	0	0	1	14	0	0
510090	0	0	0	0	0	0	0	0	1	2
590000	0	0	1	20	2	15	0	0	2	6
800000	0	0	1	4	11	95	7	512	69	805
8479899040	12	668	1	10	0	0	0	0	9	132
908040	0	176	0	67	0	21	0	90	0	69
8537100030	0	0	0	0	0	0	14	38	12	74
9024100000	0	0	0	5	0	0	0	180	0	12
9031100000	0	0	0	2	0	0	0	26	0	2
300000	0	0	0	0	0	0	0	139	0	0
9032810020	0	0	307	12	0	0	2	8	8319	87
810060	43	5	0	0	1806	8	22	7	3267	42

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	14	291	2	484	16	775
Bulgaria	0	0	0	0	0	0
Czechoslovakia	4	89	0	0	4	89
Denmark	17	57	8	668	25	726
Finland	5	7	1	191	6	197
Hungary	1	5	0	0	1	5
Ireland	0	0	0	0	0	0
Luxembourg	0	0	0	0	0	0
Netherlands	1	67	8	412	9	479
Norway	0	0	0	0	0	0
Poland	27	372	0	0	27	372
Portugal	0	0	3	67	3	67
Romania	0	0	0	0	0	0
USSR	0	0	0	0	0	0
Yugoslavia	28	145	0	0	28	145
Oth Europe	0	0	2	118	2	118
TOTAL	3176	63976	466	17141	3642	81117
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	1	2	1	18	2	20
Oth N & C Am.	0	0	0	0	0	0
TOTAL	175	1768	130	4386	305	6155
SOUTH AMERICA						
Argentina	0	0	0	0	0	0
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	1	4	1	4
Oth South Am.	0	0	0	0	0	0
TOTAL	29	1062	8	13	37	1075
OCEANIA						
Australia	1	91	0	0	1	91
New Zealand	0	0	0	0	0	0
Oth Oceania	0	0	0	0	0	0
TOTAL	1	91	0	0	1	91

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	13584	1044	16	40	13600	1084
Hong Kong	33	70	4	5	37	75
India	17	115	0	0	17	115
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	2	7	0	0	2	7
Malaysia	0	0	0	0	0	0
Pakistan	6	51	0	0	6	51
Philippines	0	0	0	0	0	0
Thailand	21	752	0	0	21	752
Oth Asia	0	0	0	0	0	0
TOTAL	91312	68120	1104	27815	92416	95935
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	16	10	16	10
Swaziland	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	0	0	16	10	16	10

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.

REPORT

A 3178-3

AMT
The Association For Manufacturing Technology
Founded 1902 as National Machine Tool Builders' Association
Direct Dial: (703) 827-5260

STATISTICAL

No. 36-92 April 29, 1992

U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY – FEBRUARY 1992

(values in millions of U.S. dollars)

	Feb. 1992	Jan. 1992	Average Nov.-Jan.	YTD Total'92	YTD Total'91	% Change 1991-1992
METAL CUTTING MACHINE TOOLS						
Exports	$ 43.8	$ 48.9	$ 46.1	$ 92.8	$101.7	(8.8%)
Imports	$ 96.8	$135.0	$135.7	$231.8	$248.8	(6.8%)
Balance	($ 53.0)	($ 86.1)	($ 89.6)	($139.0)	($147.1)	(5.5%)
METAL FORMING MACHINE TOOLS						
Exports	$ 48.0	$ 36.0	$ 39.4	$ 84.0	$ 66.7	25.9%
Imports	$ 24.9	$ 49.4	$ 38.5	$ 74.3	$ 91.0	(18.4%)
Balance	$ 23.1	($ 13.4)	$ 0.9	$ 9.7	($ 24.3)	NM
MACHINE TOOL TOTAL						
Exports	$ 91.8	$ 84.9	$ 85.5	$176.7	$168.4	4.9%
Imports	$121.7	$184.4	$174.2	$306.1	$339.8	(9.9%)
Balance	($ 29.9)	($ 99.5)	($ 88.7)	($129.4)	($171.4)	(24.5%)
NUMERICALLY CONTROLLED MACHINE TOOLS						
Exports	$ 27.6	$ 27.1	$ 25.5	$ 54.7	$ 54.2	0.9%
Imports	$ 71.8	$ 89.4	$ 95.2	$161.2	$173.5	(7.1%)
Balance	($ 44.2)	($ 62.3)	($ 69.7)	($106.5)	($119.3)	(10.7%)
OTHER MANUFACTURING TECHNOLOGY						
Exports	$143.6	$145.1	$147.4	$288.8	$265.8	8.7%
Imports	$128.7	$147.8	$149.7	$276.5	$327.1	(15.5%)
Balance	$ 14.9	($ 2.7)	($ 2.3)	$ 12.3	($ 61.3)	NM

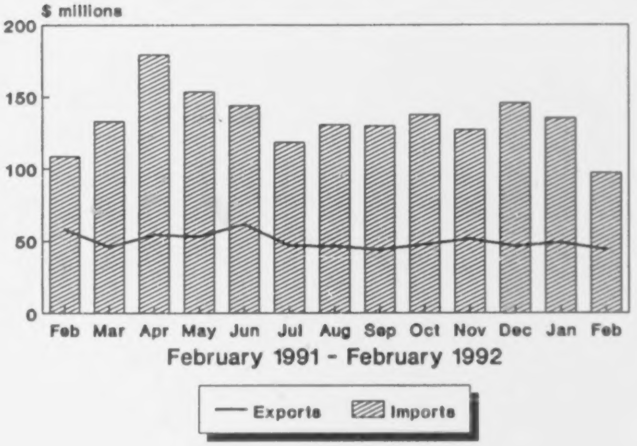
Note: Numerically controlled machine tools is a subgroup of the machine tool total. ( ) denotes negative. NM = not meaningful. Individual items may not add up to totals due to rounding.

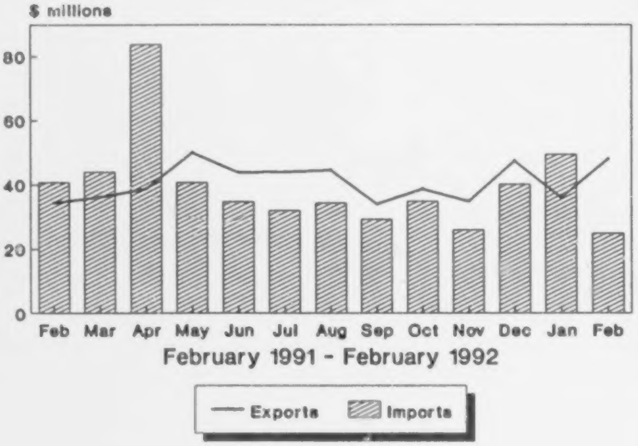
- U.S. machine tool imports fell to $121.7 million in February, the lowest monthly total since October 1985. From 1987-1991, imports in February have averaged $28 million less than the annual average for each year. Year-to-date imports are down 10% from 1991.

- U.S. machine tool exports in February were $91.8 million, up 8% over January. From 1987-1991, exports in February have averaged $4 million less than the annual average. Year-to-date exports are up 5% over 1991.

- The monthly U.S. machine tool trade deficit in February of $29.9 million was the lowest since December 1983.

U.S. MONTHLY TRADE IN MACHINE TOOLS


METAL CUTTING


METAL FORMING

METAL CUTTING MACHINE TOOLS

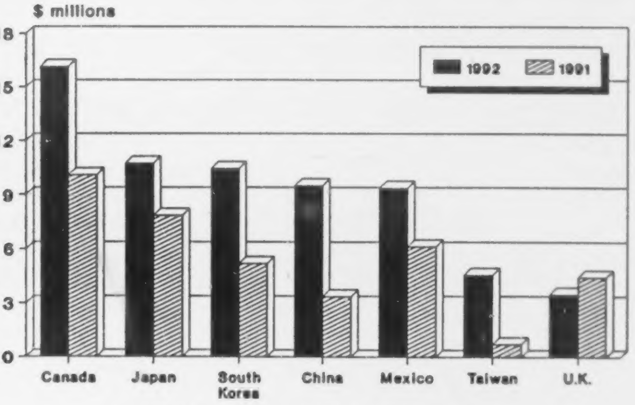
Exports

- Metal cutting exports in February of $43.8 million were down 10% from January. Year-to-date exports are down 9% from last year.

- Year-to-date exports of boring machines are down 86% (by value) compared with last year; exports of gear cutting machines are down 42%. However, exports of milling machines are up 364% and exports of lathes are up 69%.

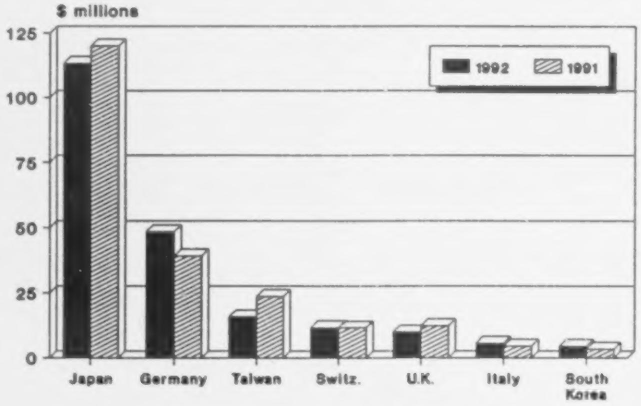
- Canada is the top metal cutting export market at $16.1 million through February, up 60% over last year, followed by Japan ($10.7 million, up 37%) and South Korea ($10.4 million, up 101%). Exports to Germany in 1992 through February are just $2.7 million, down from $19.0 million last year at this time.

LEADING U.S. EXPORT MARKETS
METAL CUTTING MACHINES



February year-to-date 1992 vs 1991

LEADING U.S. IMPORT SOURCES
METAL CUTTING MACHINES



February year-to-date 1992 vs. 1991

Imports

- Imports of metal cutting machines in February were $96.8 million, down from an average of $135.7 million for the previous three months.

- Imports from Japan are $113.3 million so far in 1992, down 6% from last year. Imports from Germany ($48.5 million) are up 24%; imports from Taiwan ($15.9 million) are down 33%.

- Imports of machining centers are down 14% (by value) so far this year; imports of NC horizontal lathes are down 4%. Imports of gear cutting machines are down 31% and imports of boring machines are down 32%.

METAL FORMING MACHINE TOOLS

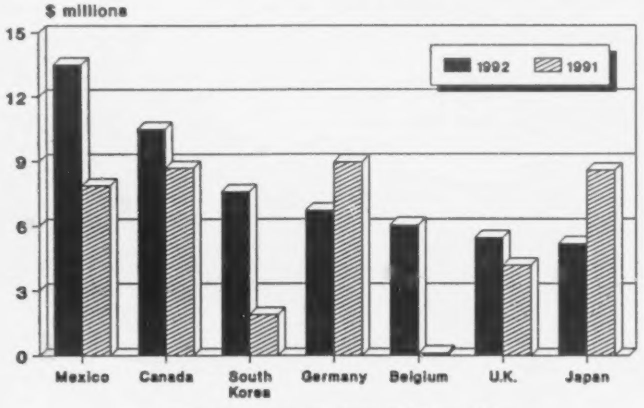
Exports

- Metal forming exports rebounded to $48.0 million in February, up from $36.0 million in January. February's total is the second highest monthly total ever.

- Exports of presses in 1992 through February are up 9% in value terms to $14.4 million; exports of bending and forming machines are up 27% to $14.3 million.

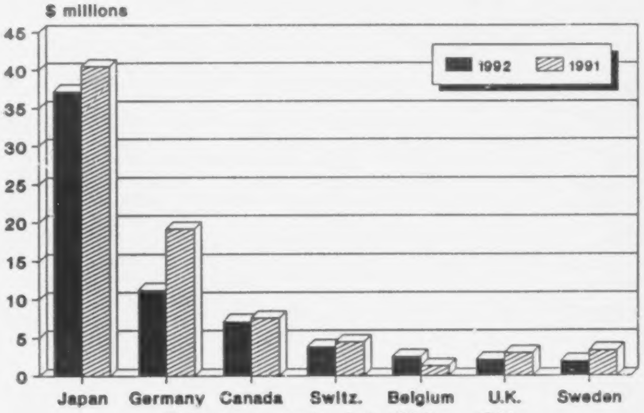
- The top metal forming export markets in 1992 through February are Mexico ($13.5 million, up 72% over 1991), Canada ($10.5 million, up 21%) and South Korea ($7.6 million, up 298%). Metal forming exports to Germany are down 25% so far this year to $6.7 million.

LEADING U.S. EXPORT MARKETS
METAL FORMING MACHINES



February year-to-date 1992 vs. 1991

LEADING U.S. IMPORT SOURCES
METAL FORMING MACHINES



February year-to-date 1992 vs. 1991

Imports

- Imports of metal forming machine tools plummeted 50% in February to $24.9 million, the lowest monthly total since July 1985. Year-to-date imports are down 18% from last year.

- Year-to-date imports from Japan are down 8% to $37.2 million; imports from Germany are down 41% to $11.3 million.

- Imports of presses are up 80% in unit terms but down 22% in value terms so far in 1992; imports of bending and forming machines are down 26% in unit terms but up 6% in value terms.

OTHER MANUFACTURING TECHNOLOGY

Exports

- Exports of blow molding machines are $13.9 million so far in 1992, compared with $7.2 million last year at this time. Exports of injection molding machines are $16.3 million in 1992 through February, compared with $8.6 million in 1991.

- Exports of machines using laser, light or photon beam processes are $3.6 million so far in 1992, compared with $5.9 million last year.

- Exports of machines and appliances for testing metals fell to $9.1 million this year, down from $9.7 million last year. The top export markets: Japan ($2.1 million), the United Kingdom ($1.9 million), Canada ($0.9 million) and Taiwan ($0.7 million).

Imports

- Imports of numerical controls for controlling machine tools are $4.3 million in 1992 through February, down from $5.2 million in 1991. Imports of machines using laser, light or photon beam processes are $8.6 million, down from $9.8 million last year.

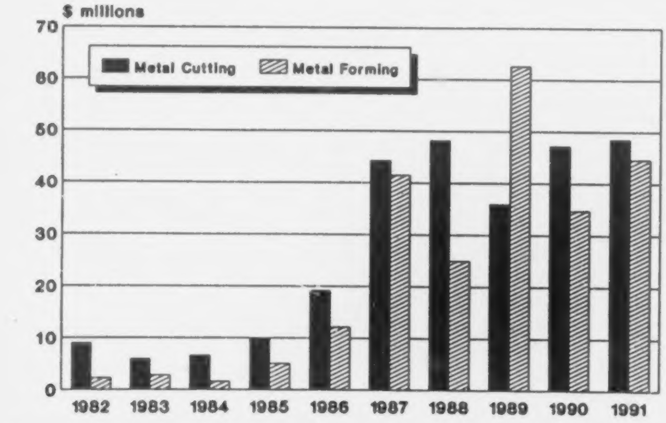
- Imports of injection molding machines are $59.4 million in 1992, up from $50.2 million in 1991 at this time. Imports of extruders are $9.9 million, down from $14.8 million last year.

MONTHLY FOCUS

In the past decade South Korea has grown to become one of the biggest machine tool consumers in the world: consumption rose from $178 million in 1982 to an estimated $1.6 billion in 1991. During this period, Korea has become a major U.S. machine tool export market. According to the U.S. Bureau of the Census, in 1982 Korea was the 12th largest U.S. export market at $11.2 million. In 1991, though, Korea was the 5th largest market at $93.2 million. In 1992 through February Korea is the third largest export market at $18.0 million, up from $7.1 million at this time last year.

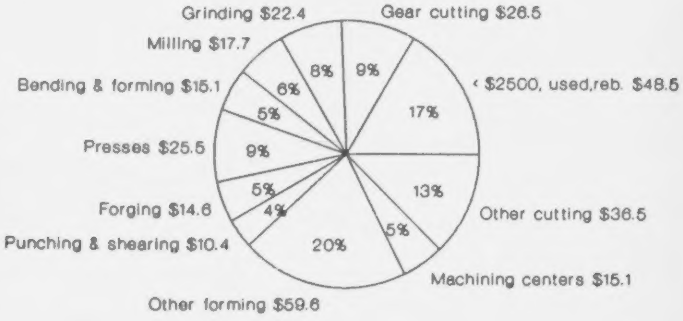
The charts below detail U.S. machine tool exports to Korea. The chart on the left shows metal cutting and metal forming exports from 1982 to the present; the chart on the right shows exports by machine type from January 1989 to February 1992.

U.S. Machine Tool Exports to South Korea 1982-1991



Source: U.S. Bureau of the Census

U.S. Machine Tool Exports to South Korea January 1989-February 1992



Total exports: $291.7 million
Source: U.S. Bureau of the Census

1992 EXPORTS

METAL CUTTING

COUNTRY	FEB'92	JAN'92	% CHANGE	FEB'92 YTD	FEB'91 YTD	% CHANGE
Canada	$5,857,209	$10,283,712	-43%	$16,140,921	$10,088,028	60%
Japan	7,237,502	3,485,912	108%	10,723,414	7,837,005	37%
South Korea	4,545,495	5,887,162	-23%	10,432,657	5,179,681	101%
China	4,641,119	4,856,679	-4%	9,497,798	3,360,522	183%
Mexico	6,533,302	2,845,125	130%	9,378,427	6,118,399	53%
Taiwan	1,889,419	2,679,095	-29%	4,568,514	703,107	550%
United Kingdom	1,971,568	1,519,495	30%	3,491,063	4,427,582	-21%
Brazil	963,409	2,285,433	-58%	3,248,842	1,498,854	117%
Germany	1,706,814	1,013,946	68%	2,720,760	19,012,512	-86%
Italy	1,445,108	1,011,735	43%	2,456,843	5,440,990	-55%
Switzerland	364,977	1,897,167	-81%	2,262,144	1,671,393	35%
France	1,222,654	337,323	262%	1,559,977	3,917,273	-60%
Netherlands	173,043	1,202,662	-86%	1,375,705	1,822,736	-25%
Singapore	294,349	869,838	-66%	1,164,187	1,035,370	12%
Venezuela	319,469	518,749	-38%	838,218	1,415,678	-41%
Australia	337,947	493,223	-31%	831,170	1,106,336	-25%
India	530,394	49,681	968%	580,075	3,313,437	-82%
Austria	0	496,603	-100%	496,603	28,855	1621%
Thailand	163,861	306,784	-47%	470,645	416,091	13%
Malaysia	27,698	181,684	-85%	209,382	43,007	387%
Belgium	101,063	82,837	22%	183,900	2,632,094	-93%
Indonesia	134,829	31,649	326%	166,478	48,725	242%
Spain	9,107	68,197	-87%	77,304	248,172	-69%
USSR	0	0	NA	0	11,395,601	-100%

METAL FORMING

COUNTRY	FEB'92	JAN'92	% CHANGE	FEB'92 YTD	FEB'91 YTD	% CHANGE
Mexico	$6,352,532	$7,147,465	-11%	$13,499,997	$7,852,451	72%
Canada	8,574,720	1,906,353	350%	10,481,073	8,677,175	21%
South Korea	3,877,732	3,719,482	4%	7,597,214	1,909,636	298%
Germany	3,634,589	3,096,088	17%	6,730,677	8,960,747	-25%
Belgium	3,916,481	2,145,235	83%	6,061,716	125,286	4738%
United Kingdom	3,676,966	1,763,234	109%	5,440,200	4,166,491	31%
Japan	2007218	3165147	-37%	5,172,365	8,560,194	-40%
France	1,107,729	3,278,623	-66%	4,386,352	1,188,734	269%
Thailand	2,766,706	127,604	2068%	2,894,310	917,431	215%
Taiwan	1,499,756	954,739	57%	2,454,495	1,205,886	104%
Switzerland	1,074,918	76,020	1314%	1,150,938	393,235	193%
Brazil	101,020	1,040,000	-90%	1,141,020	1,005,209	14%
Singapore	621,402	467,158	33%	1,088,560	846,835	29%
China	534,889	527,847	1%	1,062,736	3,771,529	-72%
Italy	299,658	427,412	-30%	727,070	1,620,267	-55%
Venezuela	623,396	25,700	2326%	649,096	172,355	277%
Netherlands	124,648	398,238	-69%	522,886	1,452,216	-64%
Spain	413,837	84,460	390%	498,297	159,987	211%
Australia	185009	149218	24%	334,227	346,825	-4%
Indonesia	0	320,030	-100%	320,030	358,560	-11%
India	109,200	101,901	7%	211,101	491,881	-57%
Malaysia	139,779	11,556	1110%	151,335	633,289	-76%
Austria	106,185	0	NA	106,185	83,602	27%
USSR	75,783	0	NA	75,783	0	NA

MACHINE TOOL TOTAL

COUNTRY	FEB'92	JAN'92	% CHANGE	FEB'92 YTD	FEB'91 YTD	% CHANGE
Canada	$14,431,929	$12,190,065	18%	$26,621,994	$18,765,203	42%
Mexico	12,885,834	9,992,590	29%	22,878,424	13,970,850	64%
South Korea	8,423,227	9,606,644	-12%	18,029,871	7,089,317	154%
Japan	9,244,720	6,651,059	39%	15,895,779	16,397,199	-3%
China	5,176,008	5,384,526	-4%	10,560,534	7,132,051	48%
Germany	5,341,403	4,110,034	30%	9,451,437	27,973,259	-66%
United Kingdom	5,648,534	3,282,729	72%	8,931,263	8,594,073	4%
Taiwan	3,389,175	3,633,834	-7%	7,023,009	1,908,993	268%
Belgium	4,017,544	2,228,072	80%	6,245,616	2,757,380	127%
France	2,330,383	3,615,946	-36%	5,946,329	5,106,007	16%
Brazil	1,064,429	3,325,433	-68%	4,389,862	2,504,063	75%
Switzerland	1,439,895	1,973,187	-27%	3,413,082	2,064,628	65%
Thailand	2,930,567	434,388	575%	3,364,955	1,333,522	152%
Italy	1,744,766	1,439,147	21%	3,183,913	7,061,257	-55%
Singapore	915,751	1,336,996	-32%	2,252,747	1,882,205	20%
Netherlands	297,691	1,600,900	-81%	1,898,591	3,274,952	-42%
Venezuela	942,865	544,449	73%	1,487,314	1,588,033	-6%
Australia	522,956	642,441	-19%	1,165,397	1,453,161	-20%
India	639,594	151,582	322%	791,176	3,805,318	-79%
Austria	106,185	496,603	-79%	602,788	112,457	436%
Spain	422,944	152,657	177%	575,601	408,159	41%
Indonesia	134,829	351,679	-62%	486,508	407,285	19%
Malaysia	167,477	193,240	-13%	360,717	676,296	-47%
USSR	75,783	0	NA	75,783	11,395,601	-99%

1992 IMPORTS

METAL CUTTING

COUNTRY	FEB'92	JAN'92	% CHANGE	FEB'92 YTD	FEB'91 YTD	% CHANGE
Japan	$57,032,263	$56,287,395	1%	$113,319,658	$120,031,657	-6%
Germany	6,701,042	41,757,428	-84%	48,458,470	39,125,463	24%
Taiwan	8,774,897	7,113,061	23%	15,887,958	23,720,642	-33%
Switzerland	3,328,081	8,425,206	-60%	11,753,287	11,621,330	1%
United Kingdom	4,099,462	5,943,825	-31%	10,043,287	12,376,385	-19%
Italy	1,991,061	3,754,898	-47%	5,745,959	4,510,401	27%
South Korea	3,615,534	1,001,143	261%	4,616,677	3,361,361	37%
Canada	2,347,959	1,766,798	33%	4,114,757	3,231,609	27%
Singapore	1,596,398	1,678,755	-5%	3,275,153	1,849,848	77%
Spain	792,433	1,552,165	-49%	2,344,598	4,769,614	-51%
Brazil	691,885	1,062,212	-35%	1,754,097	1,167,323	50%
Sweden	245,492	1,161,801	-79%	1,407,293	4,659,747	-70%
France	365,402	311,674	17%	677,076	3,139,448	-78%
Belgium	35,793	35,607	1%	71,400	802,092	-91%

METAL FORMING

COUNTRY	FEB'92	JAN'92	% CHANGE	FEB'92 YTD	FEB'91 YTD	% CHANGE
Japan	$10,229,603	$26,991,873	-62%	$37,221,476	$40,471,496	-8%
Germany	4,507,747	6,747,037	-33%	11,254,784	19,164,467	-41%
Canada	2,775,207	4,368,172	-36%	7,143,379	7,588,860	-6%
Switzerland	1,372,689	2,470,638	-44%	3,843,327	4,414,168	-13%
Belgium	116,482	2,410,840	-95%	2,527,322	1,279,072	98%
United Kingdom	1,016,321	1,116,236	-9%	2,132,557	2,956,208	-28%
Sweden	1,165,452	750,159	55%	1,915,611	3,317,053	-42%
Italy	381,203	1,296,731	-71%	1,677,934	6,362,215	-74%
Taiwan	554,382	639,216	-13%	1,193,598	1,767,296	-32%
France	1,063,749	3,000	35358%	1,066,749	546,040	95%
Spain	226,704	407,037	-44%	633,741	915,335	-31%
South Korea	131,562	138,777	-5%	270,339	29,384	820%
Brazil	0	9,051	-100%	9,051	38,940	-77%
Singapore	0	0	NA	0	300,254	-100%

MACHINE TOOL TOTAL

COUNTRY	FEB'92	JAN'92	% CHANGE	FEB'92 YTD	FEB'91 YTD	% CHANGE
Japan	$67,261,866	$83,279,268	-19%	$150,541,134	$160,503,153	-6%
Germany	11,208,789	48,504,465	-77%	59,713,254	58,289,930	2%
Taiwan	9,329,279	7,752,277	20%	17,081,556	25,487,938	-33%
Switzerland	4,700,770	10,895,844	-57%	15,596,614	16,035,498	-3%
United Kingdom	5,115,783	7,060,061	-28%	12,175,844	15,332,593	-21%
Canada	5,123,166	6,134,970	-16%	11,258,136	10,820,469	4%
Italy	2,372,264	5,051,629	-53%	7,423,893	10,872,616	-32%
South Korea	3,747,096	1,139,920	229%	4,887,016	3,390,745	44%
Sweden	1,410,944	1,911,960	-26%	3,322,904	7,976,800	-58%
Singapore	1,596,398	1,678,755	-5%	3,275,153	2,150,102	52%
Spain	1,019,137	1,959,202	-48%	2,978,339	5,684,949	-48%
Belgium	152,275	2,446,447	-94%	2,598,722	2,081,164	25%
Brazil	691,885	1,071,263	-35%	1,763,148	1,206,263	46%
France	1,429,151	314,674	354%	1,743,825	3,685,488	-53%

1992 U.S. EXPORTS
BY PRODUCT GROUPS

	JANUARY 1992		FEBRUARY 1992		YTD FEB'92	
PRODUCT TYPES	**Units**	**Value**	**Units**	**Value**	**Units**	**Value**
Used & rebuilt & under $3,025	5,316	$11,265,820	5,422	$19,598,877	10,738	30,864,697
Boring machines	4	111,194	13	355,020	17	466,214
Drilling machines	46	2,480,904	77	1,808,417	123	4,289,321
Gear cutting machines	16	2,952,428	14	3,352,752	30	6,305,180
Grinding machines	296	11,067,320	248	6,487,757	544	17,555,077
NC horizontal lathes	22	4,786,634	16	2,123,339	38	6,909,973
NC vertical lathes	1	170,620	7	1,895,200	8	2,065,820
Non-NC lathes	44	3,333,427	36	1,234,899	80	4,568,326
Milling machines	35	6,163,478	43	5,628,228	78	11,791,706
Machining centers	18	4,153,920	43	2,912,384	61	7,066,304
Station type machines	2	689,332	24	3,705,541	26	4,394,873
Other metal cutting machines	191	5,028,354	261	7,372,840	452	12,401,194
Punching & shearing machines	75	2,962,166	120	6,014,865	195	8,977,031
Bending & forming machines	154	5,495,473	156	8,763,283	310	14,258,756
Presses	98	7,968,219	112	6,395,734	210	14,363,953
Forging machines	18	4,823,312	20	1,352,893	38	6,176,205
Other metal forming machines	221	11,490,938	324	12,788,805	545	24,279,743
MACHINE TOOL TOTAL	6,557	84,943,539	6,936	91,790,834	13,493	176,734,373

	FEBRUARY 1991		YTD FEB'91	
PRODUCT TYPES	**Units**	**Value**	**Units**	**Value**
Used & rebuilt & under $3,025	5,314	$9,384,660	10,664	$22,616,597
Boring machines	8	2,689,884	16	3,262,073
Drilling machines	72	2,302,444	176	4,427,736
Gear cutting machines	23	3,441,470	37	10,820,389
Grinding machines	272	10,254,977	516	16,192,520
NC horizontal lathes	33	3,043,968	48	5,432,468
NC vertical lathes	2	341,835	3	503,145
Non-NC lathes	46	1,273,108	83	2,090,201
Milling machines	27	1,256,940	48	2,542,591
Machining centers	27	4,699,366	45	6,951,200
Station type machines	10	16,280,662	17	23,044,625
Other metal cutting machines	278	7,046,503	501	14,125,165
Punching & shearing machines	79	5,456,279	187	9,969,610
Bending & forming machines	102	6,952,107	218	11,203,989
Presses	96	5,734,227	389	13,152,290
Forging machines	19	5,146,204	30	7,892,355
Other metal forming machines	185	7,182,512	416	14,212,736
MACHINE TOOL TOTAL	6,593	92,487,146	13,394	168,439,690

	% CHANGE JAN'92–FEB'92		% CHANGE FEB'91–FEB'92		% CHANGE YTD'91–YTD'92	
PRODUCT TYPES	**Units**	**Value**	**Units**	**Value**	**Units**	**Value**
Used & rebuilt & under $3,025	2.0%	74.0%	2.0%	108.8%	0.7%	36.5%
Boring machines	225.0%	219.3%	62.5%	-86.8%	6.3%	-85.7%
Drilling machines	67.4%	-27.1%	6.9%	-21.5%	-30.1%	-3.1%
Gear cutting machines	-12.5%	13.6%	-39.1%	-2.6%	-18.9%	-41.7%
Grinding machines	-16.2%	-41.4%	-8.8%	-36.7%	5.4%	8.4%
NC horizontal lathes	-27.3%	-55.6%	-51.5%	-30.2%	-20.8%	27.2%
NC vertical lathes	600.0%	1010.8%	250.0%	454.4%	166.7%	310.6%
Non-NC lathes	-18.2%	-63.0%	-21.7%	-3.0%	-3.6%	118.6%
Milling machines	22.9%	-8.7%	59.3%	347.8%	62.5%	363.8%
Machining centers	138.9%	-29.9%	59.3%	-38.0%	35.6%	1.7%
Station type machines	1100.0%	437.6%	140.0%	-77.2%	52.9%	-80.9%
Other metal cutting machines	36.6%	46.6%	-6.1%	4.6%	-9.8%	-12.2%
Punching & shearing machines	60.0%	103.1%	51.9%	10.2%	4.3%	-10.0%
Bending & forming machines	1.3%	59.5%	52.9%	26.1%	42.2%	27.3%
Presses	14.3%	-19.7%	16.7%	11.5%	-46.0%	9.2%
Forging machines	11.1%	-72.0%	5.3%	-73.7%	26.7%	-21.7%
Other metal forming machines	46.6%	11.3%	75.1%	78.1%	31.0%	70.8%
MACHINE TOOL TOTAL	5.8%	8.1%	5.2%	-0.8%	0.7%	4.9%

1992 U.S. IMPORTS
BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1992 Units	JANUARY 1992 Value	FEBRUARY 1992 Units	FEBRUARY 1992 Value	YTD FEB'92 Units	YTD FEB'92 Value
Used & rebuilt & under $3,025	94,127	$12,280,602	81,661	$11,946,493	175,788	$24,227,095
Boring machines	25	3,463,952	36	989,787	61	4,453,739
Drilling machines	97	4,705,463	104	2,226,497	201	6,931,960
Gear cutting machines	37	6,172,007	4	649,747	41	6,821,754
Grinding machines	512	27,479,836	361	11,708,165	873	39,188,001
NC horizontal lathes	153	15,234,824	285	26,313,185	438	41,548,009
NC vertical lathes	16	1,194,631	4	987,274	20	2,181,905
Non-NC lathes	207	3,386,097	249	4,832,824	456	8,218,921
Milling machines	138	4,406,171	198	2,995,701	336	7,401,872
Machining centers	200	22,852,787	215	23,855,068	415	46,707,855
Station type machines	18	19,481,908	12	2,219,038	30	21,700,946
Other metal cutting machines	280	16,298,473	264	10,069,462	544	26,367,935
Punching & shearing machines	100	7,476,279	99	5,200,811	199	12,677,090
Bending & forming machines	151	11,974,223	125	4,205,804	276	16,180,027
Presses	101	15,951,346	598	3,793,878	699	19,745,224
Forging machines	104	2,006,697	166	1,340,569	270	3,347,266
Other metal forming machines	151	10,016,946	125	8,391,681	276	18,408,627
MACHINE TOOL TOTAL	96,417	184,382,242	84,506	121,725,984	180,923	306,108,226

PRODUCT TYPES	FEBRUARY 1991 Units	FEBRUARY 1991 Value	YTD FEB'91 Units	YTD FEB'91 Value
Used & rebuilt & under $3,025	94,612	$15,968,463	166,279	$29,063,454
Boring machines	65	3,295,233	140	6,507,859
Drilling machines	72	2,124,951	208	7,409,911
Gear cutting machines	30	2,608,872	64	9,855,894
Grinding machines	464	17,045,322	1,126	40,186,925
NC horizontal lathes	251	25,854,656	409	43,364,111
NC vertical lathes	15	2,253,656	24	3,621,005
Non-NC lathes	340	4,755,176	1,062	13,570,879
Milling machines	257	2,795,380	706	15,566,921
Machining centers	186	20,649,396	479	54,244,651
Station type machines	4	1,830,253	18	6,019,991
Other metal cutting machines	217	12,635,073	665	24,003,717
Punching & shearing machines	59	1,638,364	126	7,336,130
Bending & forming machines	183	8,695,550	372	15,252,646
Presses	317	9,033,944	389	25,270,132
Forging machines	47	2,528,010	106	7,556,596
Other metal forming machines	230	15,783,509	516	29,569,520
MACHINE TOOL TOTAL	97,349	149,495,808	172,689	338,400,342

PRODUCT TYPES	% CHANGE JAN'92-FEB'92 Units	% CHANGE JAN'92-FEB'92 Value	% CHANGE FEB'91-FEB'92 Units	% CHANGE FEB'91-FEB'92 Value	% CHANGE YTD'91-YTD'92 Units	% CHANGE YTD'91-YTD'92 Value
Used & rebuilt & under $3,025	-13.2%	-2.7%	-13.7%	-25.2%	5.7%	-16.6%
Boring machines	44.0%	-71.4%	-44.6%	-70.0%	-56.4%	-31.6%
Drilling machines	7.2%	-52.7%	44.4%	4.8%	-3.4%	-6.5%
Gear cutting machines	-89.2%	-89.5%	-86.7%	-75.1%	-35.9%	-30.8%
Grinding machines	-29.5%	-57.4%	-22.2%	-31.3%	-22.5%	-2.5%
NC horizontal lathes	86.3%	72.7%	13.5%	1.8%	7.1%	-4.2%
NC vertical lathes	-75.0%	-17.4%	-73.3%	-56.2%	-16.7%	-39.7%
Non-NC lathes	20.3%	42.7%	-26.8%	1.6%	-57.1%	-39.4%
Milling machines	43.5%	-32.0%	-23.0%	7.2%	-52.4%	-52.5%
Machining centers	7.5%	4.4%	15.6%	15.5%	-13.4%	-13.9%
Station type machines	-33.3%	-88.6%	200.0%	21.2%	66.7%	260.5%
Other metal cutting machines	-5.7%	-38.2%	21.7%	-20.3%	-18.2%	9.8%
Punching & shearing machines	-1.0%	-30.4%	67.8%	217.4%	57.9%	72.8%
Bending & forming machines	-17.2%	-64.9%	-31.7%	-51.6%	-25.8%	6.1%
Presses	492.1%	-76.2%	88.6%	-58.0%	79.7%	-21.9%
Forging machines	59.6%	-33.2%	253.2%	-47.0%	154.7%	-55.7%
Other metal forming machines	-17.2%	-16.2%	-45.7%	-46.8%	-46.5%	-37.7%
MACHINE TOOL TOTAL	-12.4%	-34.0%	-13.2%	-18.6%	4.8%	-9.5%

U.S. EXPORTS
Metal Cutting Machine Tools - February 92

RELEASED: April 29, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	29	2019	10	668
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	16	1138	14	809
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	4	846	2	297
100035	Horizontal machining centers, ATC	3	1156	2	727
100045	Machining centers, n.e.c.	38	3927	25	1080
200010	Unit construction mach. (single station transfer), NC	1	958	1	958
200090	Unit construction mach. (single station transfer), non-NC	1	97	1	97
300010	Multi-station transfer machines, NC	1	589	0	0
300090	Multi-station transfer machines, non-NC	20	2440	19	2340
8458110010	Horizontal lathes, multiple spindle, NC	10	922	5	483
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	14	1242	7	627
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	8	2602	3	928
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	6	1944	1	85
190030	Horizontal engine or toolroom lathes, non-NC	6	157	2	30
190050	Automatic bar and/or chucking mach., single spindle, non-NC	1	142	1	142
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	4	460	3	348
190090	Horizontal lathes, n.e.c., non-NC	45	507	21	251
911060	Vertical turret lathes, multiple spindle, NC	0	0	0	0
911080	Vertical turret lathes, n.e.c., NC	0	0	0	0
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	8	2066	7	1895
991050	Vertical turret lathes, non-NC	6	266	2	192
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	18	3036	7	271
8459100000	Way-type unit head machines	3	310	3	310
210080	Other drilling machines, NC	27	3464	20	1328
290040	Drilling machines, multiple spindle, non-NC	2	34	2	34
290050	Drilling machines, radial, non-NC	4	32	3	26
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	2	80	1	72
290090	Drilling machines, n.e.c., non-NC	88	679	51	350
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	0	0	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	0	0	0	0
310070	Boring-milling machines, n.e.c., NC	5	194	3	135
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	0	0	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	4	104	4	104
400040	Boring machines, vertical, NC	0	0	0	0
400050	Boring machines, vertical, non-NC	7	142	5	90
400070	Boring machines, n.e.c., NC	0	0	0	0
400080	Boring machines, n.e.c., non-NC	1	27	1	27
510080	Milling machines, knee type, NC	1	1350	0	0
590030	Milling machines, knee type, non-NC	34	1382	24	1117
610080	Milling machines, excluding knee type, n.e.c., NC	13	6007	9	4319
690050	Milling machines, profile, dup., or die sinking, non-NC	3	220	0	0
690070	Milling machines, bed type, non-NC	0	0	0	0
690090	Milling machines, n.e.c., non-NC	27	2833	10	191
700020	Threading or tapping machines, n.e.c., NC	3	366	0	0
700080	Threading or tapping machines, n.e.c., non-NC	54	752	27	325
8460110080	Flat surface grinding machines, NC	10	507	7	368
190010	Flat surface grinding mach., recip.-table type, non-NC	3	42	1	14
190050	Flat surface grinding machines, n.e.c., non-NC	19	2090	8	628
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	8	2113	3	506
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	4	1738	3	1717
290030	Grinding machines, internal cylindrical, non-NC	30	1050	5	100
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	50	3162	16	258
310080	Sharpening machines (tool & cutter grinding), NC	11	824	3	548
390050	Sharpening machines (tool & cutter grinding), non-NC	98	784	56	462
400060	Honing or lapping machines, NC	0	0	0	0
400080	Honing or lapping machines, non-NC	73	792	20	205
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	4	1768	0	0
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	234	2685	126	1682
8461100060	Planing machines, NC	1	1722	1	1722
100080	Planing machines, non-NC	24	1252	21	1221
200010	Shaping or slotting machines, NC	1	18	0	0
200090	Shaping or slotting machines, non-NC	4	140	2	125
300060	Broaching machines, NC	0	0	0	0
300080	Broaching machines, non-NC	3	120	3	120
401050	Gear hobbers	3	625	2	63
401070	Gear shapers	8	440	0	0
401090	Gear cutting machines, n.e.c.	16	4407	11	2525
405060	Gear grinding or finishing machines	3	833	1	765
500050	Sawing or cutting-off machines, NC	7	636	5	318
500090	Sawing or cutting-off machines, non-NC	165	2245	108	1529
9000000001	Metal cutting machine tools, n.e.c.	161	3131	84	1345
9800000001	Used or rebuilt machine tools	1173	11881	706	5425
9900000001	Machine tools valued at less than $3,025	7004	3062	3127	1523
	Cutting Total			4615	43824
	Y-T-D Cutting Total	9634	92757		
	NC Y-T-D Cutting Total*	254	39839		

Please see notes on last page
of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - February 92

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	1	38	0	0	0	0
100015	0	0	0	0	0	0	1	213	0	0
100025	0	0	0	0	0	0	0	0	2	297
100035	0	0	0	0	0	0	0	0	1	221
100045	0	0	0	0	0	0	0	0	4	272
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	2	178
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	2	659
110090	0	0	0	0	0	0	0	0	1	85
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	2	258
190090	5	64	0	0	0	0	0	0	1	35
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	1	77
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	5	357
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	2	20
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	32	243
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	2	105	0	0	0	0	0	0	2	75
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	2	44
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	1	17	1	15	6	86
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	60
290010	0	0	0	0	0	0	1	660	2	1057
290030	0	0	0	0	0	0	0	0	0	0
290050	2	78	0	0	0	0	0	0	3	41
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	11	52
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	2	21	0	0	0	0	0	0	21	226
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	1	98
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	1	64	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	4	243
500090	0	0	0	0	0	0	0	0	14	137
9000000001	1	6	0	0	0	0	0	0	9	106
9800000001	19	25	0	0	0	0	0	0	68	710
9900000001	49	39	0	0	19	46	17	12	219	221
Month Tot	80	338	0	0	21	101	21	963	418	5857
Y-T-D Tot	116	831	1	497	28	184	73	3249	824	16141
NC YTD Tot*	3	155	1	497	1	38	2	1563	54	10392

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - February 92

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	1	51	3	275	0	0	0	0
100015	13	596	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	1	85	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	1	523	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	2	210	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	1	90	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	2	1290	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	1	90	0	0	0	0
210080	2	110	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	3	135
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	1	35	0	0	0	0	0	0
610080	1	1951	1	96	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	38	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	1	119	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	2	446	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	1	41	3	39	0	0
290050	0	0	0	0	1	20	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	2	13	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	3	33	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	1	12	12	141	30	514	2	9	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	1	3	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	1	11	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	8	649	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	2	31	39	416	0	0	0	0
9000000001	3	29	0	0	0	0	0	0	0	0
9800000001	0	0	0	0	7	42	3	3	0	0
9900000001	8	5	15	9	232	78	0	0	0	0
Month Tot	38	4641	37	1223	320	1707	13	530	3	135
Y-T-D Tot	93	9498	230	1560	511	2721	27	580	11	166
NC YTD Tot*	18	3946	6	646	13	845	2	446	3	135

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - February 92

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	19	673	0	0	0	0
200010	1	958	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	1	97
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	6	713	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	3	305
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	1	14
190050	0	0	0	0	0	0	0	0	1	142
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	12	131
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	3	493	0	0	0	0	1	65
991050	0	0	0	0	0	0	0	0	1	115
995090	0	0	0	0	0	0	0	0	6	234
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	6	437
290040	0	0	0	0	0	0	0	0	2	34
290050	0	0	0	0	0	0	0	0	1	6
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	17	76	0	0	1	25
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	4	104
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	4	63
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	27
510080	0	0	0	0	0	0	0	0	0	0
590030	1	20	4	433	1	50	0	0	0	0
610080	1	183	0	0	0	0	0	0	2	1191
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	4	41	0	0	0	0	2	53
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	8	56
8460110080	0	0	0	0	0	0	0	0	1	145
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	2	291
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	1	20
290050	0	0	0	0	0	0	0	0	10	119
310080	0	0	1	506	0	0	0	0	0	0
390050	0	0	31	205	2	20	0	0	7	93
400060	0	0	0	0	0	0	0	0	0	0
400080	7	68	2	15	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	3	38	2	20	0	0	0	0	19	360
8461100060	0	0	0	0	1	1722	0	0	0	0
100080	0	0	18	1198	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	1	119
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	1	11	0	0	0	0
401050	0	0	0	0	0	0	0	0	2	63
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	2	1812	0	0	0	0	0	0
405060	0	0	1	765	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	22	411	0	0	4	19	11	265
9000000001	0	0	26	512	3	21	0	0	9	310
9800000001	40	156	9	79	94	1930	0	0	380	1422
9900000001	18	22	146	37	70	44	10	9	379	227
Month Tot	71	1445	277	7238	208	4545	14	28	879	6533
Y-T-D Tot	215	2457	677	10723	345	10433	50	209	2052	9378
NC YTD Tot*	2	1141	27	2086	30	5070	0	0	18	2654

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - February 92

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	5	305	0	0
100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	1	269
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	2	220
210080	0	0	0	0	0	0	0	0	7	424
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	1	17
610080	0	0	1	80	0	0	0	0	3	819
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	2	19
900060	0	0	0	0	0	0	0	0	0	0
900080	2	11	0	0	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	1	6	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	4	65	0	0	0	0	0	0	1	11
9000060001	8	84	0	0	0	0	2	20	1	9
9800000001	0	0	0	0	0	0	1	4	1	80
9900000001	23	13	311	215	15	9	28	30	217	22
Month Tot	37	173	312	294	15	9	37	365	236	1889
Y-T-D Tot	133	1376	601	1164	78	77	139	2262	325	4569
NC YTD Tot*	12	637	2	159	0	0	7	1831	15	3798

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - February 92

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	1	506	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	1	50
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	12	1105
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	4	288	0	0	0	0	1	129
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	1	17
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	3	20
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	1	48	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	1	37
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	1	72
290090	0	0	0	0	0	0	0	0	1	6
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	1	26
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	12	383
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	1	16	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	1	4	0	0	0	0	9	29
8460110080	0	0	6	223	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	1	14
190050	0	0	0	0	0	0	0	0	6	337
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	2	42
390050	0	0	2	11	0	0	0	0	1	69
400060	0	0	0	0	0	0	0	0	0	0
400080	3	42	0	0	0	0	0	0	3	27
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	2	15	0	0	18	175	12	140
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	1	14
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	1	6	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	1	75	0	0	0	0	0	0
500090	0	0	2	24	0	0	0	0	9	151
9000000001	0	0	11	108	0	0	0	0	11	141
9800000001	34	103	25	640	0	0	3	24	22	208
9900000001	286	19	164	71	0	0	360	58	541	337
Month Tot	323	164	220	1972	0	0	383	319	652	3354
Y-T-D Tot	463	471	376	3491	0	0	1009	838	1257	9882
NC YTD Tot*	1	60	16	2059	0	0	1	48	20	1633

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
February 92

RELEASED: April 29, 1992

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	69	897	34	489
8462100030	Headers and upsetters, including cold headers	4	3363	0	0
100050	Forging or die stamping machines, and hammers, n.e.c.	34	2813	20	1353
210080	Bending, folding, straight. or flat. mach., incl presses, NC	72	7095	33	4181
290030	Press brakes, non-NC	10	116	9	64
290040	Bending rolls, non-NC	8	217	2	64
290050	Bending, folding, straight., or flat., n.e.c., non-NC	220	6831	112	4455
310080	Shearing machines, NC	20	1142	8	340
390050	Shearing machines, non-NC	53	1059	34	624
410080	Punching or notching mach., incl. comb. punch & shear, NC	27	4058	16	2987
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	95	2719	62	2063
910060	Hydraulic presses, NC	3	171	1	30
910090	Hydraulic presses, non-NC	70	2100	33	943
990030	Presses, n.e.c., NC	32	2434	21	1783
990040	Presses, mechanical, non-NC	6	983	4	212
990060	Presses, n.e.c., non-NC	99	8675	53	3428
8463100080	Draw benches for bars, tubes, profiles, wire or the like	21	1042	8	142
200080	Thread rolling machines	2	17	2	17
300080	Machines for working wire	113	2737	79	1734
900080	Metal forming machine tools, n.e.c.	340	19587	201	10407
9800000002	Used or rebuilt machine tools	394	14142	256	11589
9900000002	Machine tools valued at less than $3,025	2167	1779	1333	1062
	Forming Total			2321	47966
	Y-T-D Forming Total	3859	83977		
	NC Y-T-D Forming Total	154	14899		
	Cutting and Forming Totals:				
	Monthly Total			6936	91791
	Y-T-D Total	13493	176734		
	NC Y-T-D Total*	408	54738		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	114884	0	60577
2000000000	Parts for working rubber or plastics - heading 8477	0	41444	0	19267
2710003070	Quenching or cutting oils	0	1235	0	657
8428900010	Industrial robots for lifting, handling, loading or unload	237	2850	147	2175
8431390090	Parts industrial robots, handling and loading - heading 8428	0	16687	0	8496
8456100000	Laser, light or photon beam for working any material	77	3554	32	1917
200000	Ultrasonic process for working any material	2	51	0	0
8477106010	Injection molding mach., for rubber or oth. thermosetting	41	3670	13	867
106070	Injection molding machines, for thermoplastics	105	12598	47	4329
200005	Extruders; rubber or other thermosetting mat., single screw	2	1101	1	262
200015	Extruders; rubber or thermosetting, other incl. multi. screw	15	870	7	380
200030	Extruders; thermoplastics, single screw	37	3347	26	1315
200060	Extruders; thermoplastics, other incl. multi. screw	13	2567	8	2250
300000	Blow molding machines	157	13946	51	7618
400000	Vacuum-molding and other thermoforming machines	191	2876	70	438
510010	Machines for molding or retreading pneumatic tires	959	5173	227	2124
510090	Machines for molding or otherwise forming inner tubes	253	895	125	477
590000	Machines for molding or otherwise forming n.e.c.	228	4539	159	2883
800000	Machines for working rubber or plastics n.e.c.	547	15921	201	8629
8479899040	Industrial robots, n.e.c.	884	10073	493	4377
908040	Industrial robot parts	0	4546	0	2244
8537100030	Numerical controls for controlling machine tools	285	4074	146	2153
9024100000	Machines and appliances for testing metals	0	9099	0	4889
9031100000	Machines for balancing mechanical parts	0	5619	0	1390
300000	Profile projectors	0	542	0	274
9032810040	Industrial process control instr., hydraulic or pneumatic	83680	6630	43209	3652

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
February 92

Metal Forming	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	14	159	0	0	0	0	0	0	1	255
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	3	399
210080	0	0	0	0	1	36	0	0	4	165
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	1	13
290050	0	0	0	0	65	2143	1	31	5	209
310080	0	0	0	0	0	0	0	0	1	45
390050	0	0	0	0	0	0	0	0	11	126
410080	0	0	0	0	0	0	0	0	6	664
490050	0	0	0	0	2	310	0	0	14	191
910060	0	0	0	0	0	0	0	0	1	30
910090	0	0	1	6	0	0	0	0	2	104
990030	0	0	0	0	0	0	0	0	1	142
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	1	19	2	15
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	6	29	3	27
900080	2	15	4	100	3	1411	0	0	9	80
9800000002	0	0	0	0	0	0	0	0	32	5920
9900000002	9	11	0	0	19	16	26	22	235	190
Month Tot	25	185	5	106	90	3916	34	101	331	8575
Y-T-D Tot	40	334	5	106	152	6062	35	1141	513	10481
NC YTD Tot	0	0	0	0	3	120	0	0	15	1206
C&F Month	105	523	5	106	111	4018	55	1064	749	14432
C&F Y-T-D	156	1165	6	603	180	6246	108	4390	1337	26622
C&F NC YTD*	3	155	1	497	4	158	2	1563	69	11598
Other Manufacturing Technology										
1000000000	0	1291	0	200	0	700	0	814	0	11465
2000000000	0	270	0	20	0	124	0	285	0	6136
2710003070	0	17	0	0	0	81	0	0	0	90
8428900010	0	0	0	0	0	0	0	0	0	0
8431390090	0	1169	0	4	0	149	0	0	0	829
8456100000	3	60	0	0	0	0	0	0	7	664
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	0	0	0	0	0	0	6	404
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	4	156
200030	1	200	0	0	1	31	2	46	0	0
200060	0	0	0	0	0	0	0	0	3	77
300000	0	0	0	0	6	23	2	4082	4	1700
400000	0	0	0	0	0	0	0	0	1	70
510010	2	52	0	0	0	0	2	47	49	762
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	3	320	0	0	8	286
800000	3	36	0	0	0	0	1	34	63	2939
8479899040	0	0	5	42	2	18	0	0	290	2311
908040	0	5	0	0	0	0	0	5	0	697
8537100030	0	0	1	17	5	68	20	256	6	86
9024100000	0	34	0	22	0	28	0	81	0	489
9031100000	0	8	0	0	0	0	0	14	0	370
300000	0	0	0	0	0	0	0	0	0	20
9032810040	2646	167	507	32	167	13	10	11	2665	220

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
February 92

Metal Forming	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	1	11	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	1	36	0	0	0	0	0	0
210080	9	411	1	25	2	120	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	2	124	8	129	1	86	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	1	108	0	0	0	0	0	0	0	0
490050	0	0	0	0	1	154	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	2	10	0	0	0	0	0	0
990030	0	0	0	0	1	159	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	7	2663	0	0	0	0
8463100080	0	0	0	0	2	54	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	2	22	7	227	0	0	0	0
900080	0	0	11	275	4	45	0	0	0	0
9800000002	0	0	1	599	3	21	0	0	0	0
9900000002	8	16	21	16	65	63	13	11	0	0
Month Tot	18	535	41	1108	100	3635	15	109	0	0
Y-T-D Tot	19	1063	89	4386	178	6731	31	211	12	320
NC YTD Tot	11	1046	1	25	4	314	0	0	0	0
C&F Month	56	5176	78	2330	420	5341	28	640	3	135
C&F Y-T-D	112	10561	319	5946	689	9451	58	791	23	487
C&F NC YTD*	29	4993	7	671	17	1159	2	446	3	135
Other Manufacturing Technology										
1000000000	0	307	0	2525	0	7083	0	529	0	32
2000000000	0	24	0	754	0	1266	0	107	0	31
2710003070	0	0	0	0	0	9	0	0	0	154
8428900010	0	0	28	276	1	44	0	0	0	0
8431390090	0	230	0	99	0	175	0	45	0	369
8456100000	0	0	0	0	4	257	0	0	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	4	259	10	814	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	1	23	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	2	326	1	223	0	0	0	0
400000	0	0	10	3	0	0	0	0	0	0
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	3	15	1	27	1	14	4	80
800000	4	1395	1	21	0	0	0	0	0	0
8479899040	1	47	19	231	11	78	0	0	0	0
908040	0	0	0	74	0	215	0	0	0	0
8537100030	8	117	9	121	8	118	0	0	0	0
9024100000	0	19	0	54	0	148	0	47	0	18
9031100000	0	96	0	0	0	14	0	0	0	0
300000	0	0	0	0	0	0	0	5	0	0
9032810040	68	3	3255	245	3456	238	100	7	80	4

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
February 92

Metal Forming

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	1	3
8462100030	0	0	0	0	0	0	0	0	0	0
100050	2	128	0	0	5	302	0	0	4	250
210080	0	0	0	0	2	2015	0	0	10	431
290030	0	0	0	0	0	0	0	0	8	49
290040	0	0	0	0	0	0	0	0	1	51
290050	1	7	2	948	1	27	1	84	13	434
310080	0	0	0	0	0	0	0	0	2	70
390050	1	4	2	27	0	0	0	0	10	227
410080	0	0	0	0	0	0	0	0	2	688
490050	0	0	12	467	1	7	0	0	10	89
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	1	18	14	561
990030	0	0	1	208	5	317	0	0	2	16
990040	0	0	0	0	2	112	0	0	2	101
990060	0	0	6	158	1	22	1	11	22	295
8463100080	0	0	1	38	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	1	9
300080	0	0	1	8	1	30	2	17	20	703
900080	0	0	2	51	5	418	0	0	6	143
9800000002	3	111	0	0	21	582	0	0	88	1973
9900000002	56	50	248	102	55	47	12	11	257	260
Month Tot	63	300	275	2007	99	3878	17	140	473	6353
Y-T-D Tot	153	727	386	5172	165	7597	24	151	884	13500
NC YTD Tot	2	129	4	354	17	2938	0	0	32	2661
C&F Month	134	1745	552	9245	307	8423	31	167	1352	12886
C&F Y-T-D	368	3184	1063	15896	510	18030	74	361	2936	22878
C&F NC YTD*	4	1270	31	2440	47	8009	0	0	50	5315

Other Manufacturing Technology

	Italy		Japan		Korea		Malaysia		Mexico	
1000000000	0	1426	0	8407	0	1392	0	214	0	3849
2000000000	0	136	0	579	0	872	0	195	0	1956
2710003070	0	4	0	56	0	8	0	0	0	3
8428900010	0	0	1	7	8	80	0	0	0	0
8431390090	0	51	0	197	0	852	0	0	0	358
8456100000	1	138	4	96	0	0	0	0	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	3	193	0	0	0	0	0	0	3	293
106070	0	0	4	758	0	0	5	215	3	217
200005	0	0	0	0	0	0	0	0	1	262
200015	2	122	0	0	0	0	0	0	1	102
200030	1	136	0	0	0	0	0	0	13	509
200060	0	0	0	0	1	1585	0	0	1	530
300000	6	108	0	0	1	210	0	0	8	100
400000	0	0	8	28	0	0	0	0	21	188
510010	0	13	0	0	0	0	19	10	7	85
510090	0	0	0	0	0	0	0	0	13	42
590000	4	59	9	213	0	0	26	13	10	257
800000	0	0	17	249	5	83	0	0	35	577
8479899040	5	31	28	166	1	5	0	0	74	716
908040	0	21	0	198	0	37	0	0	0	412
8537100030	4	108	2	17	5	62	0	0	5	69
9024100000	0	101	0	1131	0	225	0	11	0	81
9031100000	0	0	0	59	0	197	0	3	0	186
300000	0	40	0	119	0	0	0	0	0	10
9032810040	3082	344	3164	212	6669	373	2	6	1472	144

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
February 92

Metal Forming

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	8	0	0	1	13	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	53
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	2	32	4	93
310080	0	0	1	58	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	2	346	2	287
490050	1	36	5	52	0	0	0	0	1	15
910060	0	0	0	0	0	0	0	0	0	0
910090	5	52	1	21	0	0	0	0	0	0
990030	0	0	0	0	0	0	10	657	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	11	192	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	1	8
300080	0	0	2	271	10	104	0	0	1	17
900080	1	9	0	0	2	297	0	0	0	0
9800000002	0	0	2	22	0	0	0	0	1	1027
9900000002	17	20	5	6	0	0	40	40	0	0
Month Tot	25	125	27	621	13	414	54	1075	11	1500
Y-T-D Tot	48	523	59	1089	17	498	96	1151	34	2454
NC YTD Tot	2	175	1	58	0	0	12	1003	14	1005
C&F Month	62	298	339	916	28	423	91	1440	247	3389
C&F Y-T-D	181	1899	660	2253	95	576	235	3413	359	7023
C&F NC YTD*	14	812	3	218	0	0	19	2834	29	4803

Other Manufacturing Technology

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	888	0	1234	0	405	0	510	0	692
2000000000	0	753	0	493	0	116	0	85	0	104
2710003070	0	0	0	65	0	0	0	0	0	33
8428900010	0	0	0	0	32	320	0	0	1	15
8431390090	0	160	0	16	0	67	0	0	0	23
8456100000	6	313	2	300	0	0	0	0	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	2	125	0	0	0	0	0	0	2	140
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	1	33	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
400000	0	0	0	0	0	0	0	0	0	0
510010	43	205	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	18	13	0	0
590000	3	48	0	0	1	5	0	0	25	656
800000	7	62	0	0	0	0	0	0	0	0
8479899040	1	5	2	155	0	0	10	58	2	35
908040	0	0	0	30	0	16	0	96	0	0
8537100030	0	0	0	0	0	0	0	0	1	12
9024100000	0	11	0	180	0	165	0	8	0	425
9031100000	0	0	0	47	0	34	0	0	0	0
300000	0	0	0	68	0	0	0	9	0	3
9032810040	3300	568	2207	146	741	66	94	31	518	30

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
February 92

Metal Forming

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	2	8	10	12	0	0	1	5	2	14
8462100030	0	0	0	0	0	0	0	0	0	0
100050	1	33	1	40	0	0	0	0	3	165
210080	0	0	2	730	0	0	0	0	1	195
290030	0	0	0	0	0	0	0	0	1	15
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	4	88	0	0	0	0	2	22
310080	0	0	3	106	0	0	0	0	1	60
390050	0	0	8	208	0	0	0	0	2	34
410080	1	682	0	0	0	0	0	0	2	213
490050	4	632	6	50	0	0	0	0	5	61
910060	0	0	0	0	0	0	0	0	0	0
910090	1	33	0	0	0	0	1	22	5	115
990030	0	0	0	0	0	0	0	0	1	284
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	0	0	2	52
8463100080	0	0	0	0	0	0	1	34	4	15
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	10	6	66	0	0	17	203
900080	2	1372	69	2255	0	0	0	0	81	3935
9800000002	0	0	4	119	1	10	5	562	95	642
9900000002	8	7	103	57	0	0	0	0	136	117
Month Tot	19	2767	211	3677	7	76	8	623	360	6142
Y-T-D Tot	27	2894	252	5440	7	76	11	649	622	11220
NC YTD Tot	1	682	8	1246	0	0	0	0	27	1936
C&F Month	342	2931	431	5649	7	76	391	943	1012	9496
C&F Y-T-D	490	3365	628	8931	7	76	1020	1487	1879	21102
C&F NC YTD*	2	742	24	3305	0	0	1	48	47	3568

Other Manufacturing Technology

1000000000	0	232	0	4055	0	0	0	805	0	11522
2000000000	0	987	0	836	0	0	0	577	0	2561
2710003070	0	0	0	25	0	0	0	40	0	72
8428900010	0	0	30	332	0	0	0	0	46	1101
8431390090	0	275	0	457	0	0	0	35	0	2937
8456100000	0	0	1	17	0	0	0	0	4	72
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	4	267	0	0	1	35	2	79
106070	0	0	4	248	0	0	0	0	7	1150
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	1	20	0	0	3	230	2	88
200060	0	0	0	0	0	0	2	35	1	24
300000	0	0	18	414	0	0	0	0	3	432
400000	0	0	1	25	0	0	0	0	29	124
510010	0	0	0	0	0	0	1	7	104	943
510090	79	263	0	0	0	0	1	45	14	114
590000	29	435	9	127	0	0	0	0	23	329
800000	0	0	18	993	0	0	0	0	47	2240
8479899040	0	0	13	143	0	0	2	9	27	330
908040	0	0	0	169	0	0	0	0	0	268
8537100030	0	0	50	818	0	0	1	15	21	271
9024100000	0	20	0	1308	0	0	0	24	0	264
9031100000	0	0	0	10	0	0	0	51	0	301
300000	0	0	0	0	0	0	0	0	0	0
9032810040	0	0	3405	402	0	0	5	8	5596	384

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
February 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	0	0	0	0	0	0
Denmark	25	80	16	118	41	199
Finland	7	11	1	284	8	295
Greece	0	0	0	0	0	0
Hungary	0	0	2	23	2	23
Iceland	0	0	0	0	0	0
Ireland	1	50	0	0	1	50
Luxembourg	0	0	0	0	0	0
Norway	4	40	32	13	36	54
Poland	0	0	0	0	0	0
Portugal	75	17	0	0	75	17
Romania	0	0	0	0	0	0
Sweden	9	10	7	105	16	115
Turkey	4	84	5	4	9	88
Yugoslavia	2	39	0	0	2	39
Oth Europe	12	1105	1	10	13	1115
TOTAL	897	8431	673	14989	1570	23420
NORTH AND CENTRAL AMERICA						
Bahamas	0	0	0	0	0	0
Barbados	0	0	9	22	9	22
Belize	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0
Costa Rica	6	4	16	111	22	115
Dominican Rep	1	18	21	76	22	94
El Salvador	0	0	30	113	30	113
Guatemala	8	85	5	86	13	171
Haiti	0	0	0	0	0	0
Honduras	43	11	12	136	55	147
Jamaica	0	0	1	12	1	12
Panama	1	17	1	195	2	212
Trinidad	0	0	0	0	0	0
Oth N & C Am.	2	14	6	14	8	27
TOTAL	1358	12540	905	15692	2263	28231
SOUTH AMERICA						
Argentina	5	29	4	46	9	75
Bolivia	0	0	0	0	0	0
Chile	236	339	8	17	244	356
Colombia	19	190	57	293	76	483
Ecuador	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	10	125	10	125
Uruguay	0	0	0	0	0	0
Oth South Am.	0	0	2	26	2	26
TOTAL	664	1842	123	1231	787	3073
OCEANIA						
New Zealand	3	73	30	39	33	111
Oth Oceania	5	3	0	0	5	3
TOTAL	88	414	55	224	143	637

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
February 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	63	433	0	0	63	433
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	1	7	1	5	2	11
Jordan	0	0	5	4	5	4
Kuwait	21	238	0	0	21	238
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	0	0	0	0	0	0
Pakistan	3	53	1	25	4	78
Philippines	10	37	11	76	21	113
Qatar	0	0	0	0	0	0
Saudi Arabia	27	118	60	4058	87	4176
Sri Lanka	0	0	0	0	0	0
Syria	1	7	1	8	2	15
United Arab Emr	26	55	1	9	27	64
Vietnam	0	0	0	0	0	0
Oth Asia	0	0	1	6	1	6
TOTAL	1576	20414	562	15748	2138	36161
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	12	160	3	84	15	244
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	0	0	0	0	0	0
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	0	0	0	0	0	0
South Africa	15	21	0	0	15	21
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	5	3	0	0	5	3
Zimbabwe	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	32	184	3	84	35	268

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS – Metal Cutting Machine Tools – February 92

RELEASED: April 29, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301020	Traveling wire electro-discharge machines	97	7988	46	3768
301050	Electro-discharge machines, n.e.c., NC	33	2581	10	721
301070	Electro-discharge machines, n.e.c., non-NC	30	451	17	260
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	312	24361	162	12914
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	19	3331	10	875
100035	Horizontal machining centers, ATC	71	15422	37	8538
100045	Machining centers, n.e.c.	13	3594	6	1528
200010	Unit construction mach. (single station transfer), NC	0	0	0	0
200090	Unit construction mach. (single station transfer), non-NC	4	538	2	428
300010	Multi-station transfer machines, NC	13	16052	6	1530
300090	Multi-station transfer machines, non-NC	11	5026	2	177
8458110010	Horizontal lathes, multiple spindle, NC	42	6089	27	3295
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	317	21148	202	12493
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	71	11507	53	9060
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	8	2804	3	1465
190030	Horizontal engine or toolroom lathes, non-NC	326	3254	171	1830
190050	Automatic bar and/or chucking mach., single spindle, non-NC	30	1372	16	505
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	6	862	2	377
190090	Horizontal lathes, n.e.c., non-NC	10	125	0	0
911060	Vertical turret lathes, multiple spindle, NC	4	987	4	987
911080	Vertical turret lathes, n.e.c., NC	6	322	0	0
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	10	872	0	0
991050	Vertical turret lathes, non-NC	8	339	5	230
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	76	2268	55	1891
8459100000	Way-type unit head machines	2	84	2	84
210080	Other drilling machines, NC	23	2771	8	679
290040	Drilling machines, multiple spindle, non-NC	81	2502	63	629
290050	Drilling machines, radial, non-NC	20	262	6	148
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	3	60	3	60
290090	Drilling machines, n.e.c., non-NC	74	1337	24	711
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	4	710	3	272
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	8	1133	1	145
310070	Boring-milling machines, n.e.c., NC	0	0	0	0
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	5	339	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	13	327	11	274
400040	Boring machines, vertical, NC	1	419	0	0
400050	Boring machines, vertical, non-NC	16	86	15	62
400070	Boring machines, n.e.c., NC	0	0	0	0
400080	Boring machines, n.e.c., non-NC	14	1440	6	237
510080	Milling machines, knee type, NC	49	1160	36	1078
590030	Milling machines, knee type, non-NC	239	2583	145	1398
610080	Milling machines, excluding knee type, n.e.c., NC	14	2466	5	244
690050	Milling machines, profile, dup., or die sinking, non-NC	0	0	0	0
690070	Milling machines, bed type, non-NC	19	676	2	73
690090	Milling machines, n.e.c., non-NC	15	517	10	203
700020	Threading or tapping machines, n.e.c., NC	68	4171	30	1605
700080	Threading or tapping machines, n.e.c., non-NC	8	135	5	36
8460110080	Flat surface grinding machines, NC	17	1066	9	211
190010	Flat surface grinding mach., recip.-table type, non-NC	127	1669	67	914
190050	Flat surface grinding machines, n.e.c., non-NC	133	3579	64	1114
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	44	13664	12	4324
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	32	1061	13	357
290030	Grinding machines, internal cylindrical, non-NC	17	2152	3	222
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	105	5210	50	1152
310080	Sharpening machines (tool & cutter grinding), NC	30	1033	21	683
390050	Sharpening machines (tool & cutter grinding), non-NC	189	1410	53	456
400060	Honing or lapping machines, NC	3	246	1	18
400080	Honing or lapping machines, non-NC	34	3787	5	509
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	3	180	1	159
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	139	4129	62	1589
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	0	0	0	0
200010	Shaping or slotting machines, NC	3	115	2	33
200090	Shaping or slotting machines, non-NC	11	1755	1	4
300060	Broaching machines, NC	1	349	0	0
300080	Broaching machines, non-NC	4	1701	1	112
401020	Gear cutting for bevel gears	0	0	0	0
401030	Gear hobbers	12	5018	3	497
401040	Gear shapers	3	46	0	0
401060	Gear cutting machines, n.e.c.	22	156	1	153
405050	Gear grinding or finishing for bevel gears	1	933	0	0
405070	Gear grinding or finishing machines, n.e.c.	3	669	0	0
500050	Sawing or cutting-off machines, NC	6	152	1	114
500090	Sawing or cutting-off machines, non-NC	237	4085	122	1851
9000000001	Metal cutting machine tools, n.e.c.	46	2885	29	1565
9800000001	Used or rebuilt machine tools	1604	6011	142	3051
9900000001	Machine tools valued at less than $3,025	171891	14306	80343	6925
	Cutting Total			82217	96823
	Y-T-D Cutting Total	176910	231840		
	NC Y-T-D Cutting Total	1299	147657		

Please see notes on last page
of the metal forming section.

U.S. IMPORTS – Metal Cutting Machine Tools – February 92

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	1	14
301070	0	0	0	0	1	10	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	2	241
100025	0	0	0	0	0	0	0	0	1	234
100035	0	0	0	0	0	0	0	0	3	356
100045	0	0	0	0	0	0	0	0	2	220
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	6	1530	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	6	261	0	0	0	0	2	338
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	4	785
110090	0	0	0	0	0	0	0	0	1	780
190030	0	0	7	104	0	0	0	0	0	0
190050	0	0	2	21	0	0	2	266	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	1	2
995090	0	0	25	235	4	156	0	0	2	37
8459100000	0	0	0	0	0	0	1	29	0	0
210080	0	0	0	0	0	0	0	0	2	61
290040	0	0	0	0	2	10	0	0	45	415
290050	0	0	1	16	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	9	55	0	0	0	0	1	75
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	1	145
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	3	32	0	0	0	0
510080	0	0	0	0	0	0	0	0	1	660
590030	0	0	0	0	0	0	0	0	4	57
610080	0	0	0	0	0	0	0	0	1	42
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	1	9	3	26
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	4	554
210080	0	0	0	0	0	0	0	0	2	31
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	1	2	0	0	10	143
310080	0	0	0	0	0	0	0	0	3	112
390050	0	0	0	0	2	8	0	0	7	122
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	0	0	0	0	7	82
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	2	33
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	24	299	0	0	10	197
9000000001	0	0	0	0	3	10	2	21	2	320
9800000001	1	36	0	0	35	255	0	0	32	487
9900000001	0	0	0	0	49	36	35	40	386	134
Month Tot	1	36	50	692	130	2348	41	365	542	6701
Y-T-D Tot	4	71	79	1754	304	4115	159	677	1009	48458
NC YTD Tot	0	0	13	1143	15	2354	2	27	76	26453

Please see notes on last page of the metal forming section.

U.S. IMPORTS – Metal Cutting Machine Tools – February 92

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	28	2661	0	0	0	0	0	0
301050	0	0	9	706	0	0	0	0	0	0
301070	0	0	9	172	0	0	0	0	0	0
8457100015	0	0	109	9813	4	204	13	890	0	0
100025	0	0	2	248	0	0	0	0	0	0
100035	0	0	31	7944	3	239	0	0	0	0
100045	1	295	2	870	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	2	177	0	0	0	0	0	0
8458110010	0	0	19	2696	0	0	0	0	0	0
110030	0	0	132	10477	11	740	0	0	0	0
110050	0	0	39	7305	0	0	0	0	0	0
110090	2	685	0	0	0	0	0	0	0	0
190030	0	0	2	152	12	126	13	172	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	4	987	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	4	227	0	0	0	0	0	0
995090	0	0	2	262	18	1138	0	0	0	0
8459100000	0	0	1	55	0	0	0	0	0	0
210080	0	0	5	536	0	0	0	0	0	0
290040	0	0	15	201	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	3	112
290070	0	0	0	0	0	0	0	0	0	0
290090	6	22	4	422	0	0	0	0	0	0
310010	0	0	1	104	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	1	149	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	1	68	1	59	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	1	3	4	44	0	0	0	0	31	479
610080	0	0	1	133	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	1	32	0	0	0	0	1	41
690090	0	0	4	108	0	0	0	0	0	0
700020	0	0	23	1430	0	0	0	0	0	0
700080	0	0	0	0	1	5	0	0	1	21
8460110080	0	0	1	101	0	0	0	0	0	0
190010	0	0	14	126	0	0	36	526	1	54
190050	0	0	5	102	0	0	0	0	1	22
210080	0	0	7	1685	0	0	0	0	0	0
290010	1	12	2	115	0	0	0	0	1	48
290030	0	0	3	222	0	0	0	0	0	0
290050	0	0	19	751	0	0	0	0	0	0
310080	0	0	10	33	0	0	0	0	0	0
390050	0	0	11	71	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	3	468	0	0	0	0	0	0
900060	0	0	1	159	0	0	0	0	0	0
900080	0	0	28	1044	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	1	4	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	112	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	2	444	1	53	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	1	153	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	0	0	1	114	0	0	0	0	0	0
500090	1	6	11	356	25	676	0	0	0	0
9000000001	1	229	15	893	0	0	0	0	0	0
9800000001	3	13	31	1115	1	298	0	0	1	1
9900000001	2888	654	6804	994	1473	138	48	8	70	13
Month Tot	2906	1991	7425	57032	1549	3616	110	1596	110	792
Y-T-D Tot	4832	5746	13843	113320	2303	4617	186	3275	231	2345
NC YTD Tot	10	3473	810	91472	32	2095	33	2021	0	0

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - February 92

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	5	524	1	5	0	0	12	579
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	6	74	0	0	1	4
8457100015	0	0	0	0	18	868	12	698	4	200
100025	0	0	0	0	2	126	0	0	5	267
100035	0	0	0	0	0	0	0	0	0	0
100045	1	142	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	2	428	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	1	99	13	627	1	59	44	491
110050	0	0	1	150	8	727	0	0	1	94
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	27	245	0	0	110	1032
190050	0	0	1	114	11	104	0	0	0	0
190070	0	0	2	377	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	3	59	1	4
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	82
290040	0	0	1	3	0	0	0	0	0	0
290050	0	0	0	0	2	20	0	0	0	0
290070	0	0	0	0	3	60	0	0	0	0
290090	0	0	3	130	0	0	0	0	1	7
310010	0	0	0	0	2	168	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	9	84	1	41	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	15	62	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	78
510080	0	0	0	0	35	418	0	0	0	0
590030	0	0	0	0	85	516	8	237	12	62
610080	0	0	0	0	1	22	1	4	1	43
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	3	27	1	55	2	13
700020	0	0	0	0	7	175	0	0	0	0
700080	0	0	0	0	3	9	0	0	0	0
8460110080	0	0	1	42	2	8	0	0	1	24
190010	0	0	0	0	4	43	0	0	12	165
190050	0	0	0	0	54	436	0	0	0	0
210080	0	0	2	540	0	0	1	2068	0	0
290010	0	0	1	55	6	82	2	45	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	1	43	2	27	9	85	6	67	2	33
310080	0	0	6	319	0	0	0	0	2	219
390050	0	0	0	0	1	5	29	209	3	41
400060	0	0	1	18	0	0	0	0	0	0
400080	0	0	0	0	0	0	2	41	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	1	254	1	13	13	58	12	139
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	3	52	25	156	17	81	6	29
9000000001	2	52	0	0	0	0	0	0	4	39
9800000001	0	0	2	173	2	17	22	259	12	397
9900000001	13	8	15	22	53418	3596	170	118	14974	1164
Month Tot	17	245	50	3328	53773	8775	289	4099	15224	5206
Y-T-D Tot	198	1407	135	11753	124174	15888	467	10043	28986	8371
NC YTD Tot	1	142	32	5597	111	3677	44	5948	120	3256

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
February 92

RELEASED: April 29, 1992

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	28	5371	15	3327
8462100030	Headers and upsetters, including cold headers	7	875	2	76
100050	Forging or die stamping machines, and hammers, n.e.c.	263	2472	164	1264
210080	Bending, folding, straight. or flat. mach., incl presses, NC	97	7455	37	2118
290030	Press brakes, non-NC	32	998	16	458
290040	Bending rolls, non-NC	5	104	4	91
290050	Bending, folding, straight., or flat., n.e.c., non-NC	142	7623	68	1538
310080	Shearing machines, NC	1	486	1	486
390050	Shearing machines, non-NC	72	4499	30	615
410080	Punching or notching mach., incl. comb. punch & shear, NC	44	3906	9	1374
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	82	3787	59	2725
910060	Hydraulic presses, NC	2	1732	1	146
910090	Hydraulic presses, non-NC	631	6382	567	1153
990030	Presses, n.e.c., NC	0	0	0	0
990035	Mechanical transfer presses, non-NC	3	6643	2	53
990045	Mechanical presses, n.e.c., non-NC	11	555	10	251
990060	Presses, n.e.c., non-NC	52	4433	18	2191
8463100080	Draw benches for bars, tubes, profiles, wire or the like	35	3508	25	1938
200080	Thread rolling machines	18	809	2	367
300080	Machines for working wire	77	4225	13	580
900080	Metal forming machine tools, n.e.c.	118	4495	70	2179
9800000002	Used or rebuilt machine tools	286	2806	153	1372
9900000002	Machine tools valued at less than $3,025	2007	1104	1023	598
	Forming Total			2289	24902
	Y-T-D Forming Total	4013	74268		
	NC Y-T-D Forming Total	144	13579		
	Cutting and Forming Totals:				
	Monthly Total			84506	121726
	Y-T-D Total	180923	306108		
	NC Y-T-D Total	1443	161236		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
1000000000	Machine tool parts and accessories	0	73463	0	35184
2000000000	Parts for working rubber or plastics - heading 8477	0	46886	0	24512
2710003070	Quenching or cutting oils	0	92	0	46
8428900010	Industrial robots for lifting, handling, loading or unload	725	4963	661	2475
8431390080	Parts industrial robots, handling and loading - heading 8428	0	11206	0	5544
8456101010	Laser, light or photon beam for working metal, NC	35	6191	17	2729
101020	Laser, light or photon beam for working metal, non-NC	8	1547	2	210
105000	Laser, light or photon beam for other materials	35	840	32	368
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	1	4	0	0
205000	Ultrasonic processes for working other materials	16	59	1	8
8477103000	Injection molding mach., for manufacturing shoes	13	800	11	472
106010	Injection molding mach., for rubber or oth. thermosetting	186	19954	69	6370
106050	Injection molding mach., for thermoplastics	507	38630	214	16506
200005	Extruders; rubber or other thermosetting mat., single screw	5	379	2	208
200015	Extruders; rubber or thermosetting, other incl. multi. screw	7	414	0	0
200035	Extruders; thermoplastics, single screw, less than 6.4cm	10	227	10	227
200045	Extruders; thermoplastics, single screw, 6.4cm or greater	10	4108	3	2055
200055	Extruders; thermoplastics, mutli. screw, less than 6.4cm	10	741	5	374
200065	Extruders; thermoplastics, multi. screw, 6.4cm or larger	10	4078	2	567
300000	Blow molding machines	35	11101	19	7263
400000	Vacuum-molding and other thermoforming machines	71	273	53	201
510010	Machines for molding or retreading pneumatic tires	62	1135	13	259
510090	Machines for molding or otherwise forming inner tubes	4	241	0	0
590000	Machines for molding or otherwise forming n.e.c.	211	7449	52	3519
800000	Machines for working rubber or plastics n.e.c.	574	21928	247	8974
8479899040	Industrial robots, n.e.c.	212	7258	123	3544
908040	Industrial robot parts	0	4742	0	2530
8537100030	Numerical controls for controlling machine tools	1473	4274	1097	2522
9024100000	Machines and appliances for testing metals	0	1811	0	1326
9031100000	Machines for balancing mechanical parts	0	706	0	144
300000	Profile projectors	0	427	0	241
9032810020	Industrial process control instr., hydraulic	24686	315	13008	188
810060	Industrial process control instr., pneumatic	11372	265	4712	140

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
February 92

Metal Forming	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	5	284	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	1	55	0	0	92	117
210080	0	0	0	0	5	168	0	0	2	529
290030	0	0	0	0	10	386	0	0	0	0
290040	0	0	0	0	3	39	0	0	0	0
290050	0	0	0	0	13	255	1	4	6	146
310080	0	0	0	0	0	0	0	0	0	0
390050	2	32	0	0	3	142	0	0	1	12
410080	0	0	0	0	0	0	1	18	2	258
490050	0	0	0	0	2	103	30	550	17	170
910060	0	0	0	0	1	146	0	0	0	0
910090	0	0	0	0	4	397	0	0	1	69
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	5	62	0	0	0	0
990060	0	0	0	0	5	141	0	0	2	1543
8463100080	0	0	0	0	0	0	0	0	7	848
200080	0	0	0	0	0	0	0	0	1	187
300080	0	0	0	0	0	0	2	306	0	0
900080	0	0	0	0	6	55	21	140	2	516
9800000002	2	84	0	0	59	501	7	40	27	109
9900000002	0	0	0	0	96	40	4	7	2	3
Month Tot	4	116	0	0	218	2775	66	1064	162	4508
Y-T-D Tot	12	2527	7	9	347	7143	67	1067	326	11255
NC YTD Tot	2	227	0	0	18	1034	1	18	26	3018
C&F Month	5	152	50	692	348	5123	107	1429	704	11209
C&F Y-T-D	16	2599	86	1763	651	11258	226	1744	1335	59713
C&F NC YTD	2	227	13	1143	33	3388	3	45	102	29471
Other Manufacturing Technology										
1000000000	0	148	0	565	0	3518	0	524	0	7240
2000000000	0	30	0	5	0	7564	0	2289	0	6737
2710003070	0	0	0	0	0	5	0	0	0	0
8428900010	0	0	0	0	5	196	1	157	2	449
8431390080	0	0	0	10	0	1215	0	532	0	878
8456101010	0	0	0	0	0	0	0	0	7	1125
101020	0	0	0	0	1	130	0	0	1	80
105000	3	1	0	0	28	361	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	1	8
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	0	0	2	70	7	483	4	666
106050	0	0	0	0	43	5977	0	0	18	607
200005	0	0	0	0	0	0	0	0	2	208
200015	0	0	0	0	0	0	0	0	0	0
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	0	0	0	0	0	0	2	465
200055	0	0	0	0	0	0	0	0	3	195
200065	0	0	0	0	0	0	0	0	2	567
300000	0	0	0	0	1	23	3	4681	7	2084
400000	0	0	0	0	0	0	0	0	1	16
510010	0	0	0	0	7	59	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	26	1435	6	876	2	380
800000	5	22	0	0	15	250	12	1182	22	1999
8479899040	0	0	0	0	4	94	0	0	1	3
908040	0	2	0	0	0	21	0	0	0	747
8537100030	0	0	0	0	0	0	0	0	4	40
9024100000	0	0	0	0	0	112	0	0	0	397
9031100000	0	0	0	0	0	2	0	8	0	57
300000	0	0	0	0	0	0	0	0	0	15
9032810020	0	0	0	0	1	8	0	0	4	4
810060	0	0	0	0	35	5	0	0	48	13

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
February 92

Metal Forming	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	2	21	8	3022	0	0	0	0	0	0
8462100030	0	0	2	76	0	0	0	0	0	0
100050	0	0	7	678	2	98	0	0	0	0
210080	0	0	27	1035	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	15	80	8	59	0	0	0	0	2	19
310080	0	0	0	0	0	0	0	0	0	0
390050	2	14	4	171	0	0	0	0	7	84
410080	0	0	4	821	0	0	0	0	0	0
490050	0	0	4	1805	0	0	0	0	5	92
910060	0	0	0	0	0	0	0	0	0	0
910090	26	98	16	73	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	2	53	0	0	0	0	0	0
990045	0	0	1	41	0	0	0	0	0	0
990060	0	0	4	456	0	0	0	0	0	0
8463100080	0	0	17	1059	1	32	0	0	0	0
200080	0	0	1	180	0	0	0	0	0	0
300080	2	40	5	172	0	0	0	0	0	0
900080	13	92	5	108	0	0	0	0	0	0
9800000002	1	2	4	375	0	0	0	0	0	0
9900000002	15	35	128	45	1	2	0	0	23	31
Month Tot	76	381	247	10230	4	132	0	0	37	227
Y-T-D Tot	135	1678	669	37221	7	270	0	0	61	634
NC YTD Tot	14	768	70	5877	0	0	0	0	0	0
C&F Month	2982	2372	7672	67262	1553	3747	110	1596	147	1019
C&F Y-T-D	4967	7424	14512	150541	2310	4887	186	3275	292	2978
C&F NC YTD	24	4240	880	97349	32	2095	33	2021	0	0
Other Manufacturing Technology										
1000000000	0	1551	0	11644	0	53	0	18	0	324
2000000000	0	801	0	3971	0	115	0	0	0	39
2710003070	0	0	0	40	0	0	0	0	0	0
8428900010	1	55	168	1169	0	0	0	0	0	0
8431390080	0	24	0	695	0	6	0	0	0	0
8456101010	0	0	10	1604	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	7	454	0	0	0	0	0	0	4	18
106010	3	83	44	4359	1	92	0	0	0	0
106050	17	1153	90	7230	2	100	3	68	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	0	0	0	0	0	0	0	0
200055	0	0	2	179	0	0	0	0	0	0
200065	0	0	0	0	0	0	0	0	0	0
300000	2	271	4	181	0	0	0	0	0	0
400000	0	0	35	29	0	0	0	0	0	0
510010	0	0	6	200	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	1	43	7	655	5	5	0	0	0	0
800000	4	1317	156	3584	0	0	0	0	0	0
8479899040	1	82	83	2302	0	0	0	0	2	84
908040	0	16	0	1225	0	0	0	18	0	0
8537100030	4	99	1087	2276	0	0	0	0	0	0
9024100000	0	29	0	510	0	17	0	0	0	0
9031100000	0	17	0	16	0	0	0	6	0	0
300000	0	0	0	70	0	0	0	0	0	0
9032810020	0	0	0	0	0	0	0	0	0	0
810060	810	10	1272	16	0	0	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
February 92

Metal Forming

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	1	206	58	21	3	89
210080	0	0	0	0	2	32	0	0	1	354
290030	0	0	0	0	3	14	0	0	3	59
290040	1	52	0	0	0	0	0	0	0	0
290050	17	660	0	0	0	0	2	228	4	86
310080	0	0	0	0	0	0	1	486	0	0
390050	0	0	0	0	0	0	6	62	5	98
410080	0	0	0	0	0	0	0	0	2	277
490050	0	0	0	0	0	0	1	5	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	7	452	1	3	80	5	6	6	426	48
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	2	56	2	93
990060	0	0	0	0	5	27	2	23	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	2	9	1	48	1	6	0	0
900080	0	0	23	1268	0	0	0	0	0	0
9800000002	0	0	1	3	0	0	9	102	43	157
9900000002	1	2	35	90	516	221	28	21	174	100
Month Tot	26	1165	62	1373	608	554	116	1016	663	1361
Y-T-D Tot	67	1916	111	3843	1267	1194	212	2133	725	3378
NC YTD Tot	0	0	0	0	2	32	5	1298	6	1306
C&F Month	43	1411	112	4701	54381	9329	405	5116	15887	6567
C&F Y-T-D	265	3323	246	15597	125441	17082	679	12176	29711	11749
C&F NC YTD	1	142	32	5597	113	3709	49	7246	126	4562

Other Manufacturing Technology

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	498	0	2620	0	1437	0	2233	0	2809
2000000000	0	54	0	360	0	480	0	759	0	1310
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	3	307	0	0	480	16	1	127	0	0
8431390080	0	114	0	208	0	49	0	619	0	1195
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	1	6
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	0	0	2	194	0	0	6	423
106050	0	0	0	0	17	411	1	34	23	926
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200035	0	0	0	0	0	0	2	56	8	170
200045	0	0	0	0	0	0	1	1590	0	0
200055	0	0	0	0	0	0	0	0	0	0
200065	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	2	24	0	0	0	0
400000	0	0	0	0	3	128	14	28	0	0
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	0	0	5	125	0	0
800000	0	0	1	22	4	172	23	247	5	180
8479899040	1	53	1	284	0	0	0	0	30	643
908040	0	85	0	71	0	39	0	28	0	279
8537100030	0	0	0	0	0	0	1	23	1	84
9024100000	0	0	0	87	0	1	0	140	0	33
9031100000	0	0	0	3	0	0	0	34	0	0
300000	0	0	0	3	0	0	0	153	0	0
9032810020	0	0	225	5	6000	6	950	6	5828	160
810060	277	34	0	0	315	3	11	19	1944	41

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
February 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	104	651	3	359	107	1009
Bulgaria	5	33	0	0	5	33
Czechoslovakia	8	73	0	0	8	73
Denmark	28	93	50	93	78	187
Finland	3	147	2	277	5	424
Hungary	0	0	0	0	0	0
Ireland	4	6	0	0	4	6
Luxembourg	0	0	2	6	2	6
Netherlands	4	298	0	0	4	298
Norway	0	0	0	0	0	0
Poland	8	378	0	0	8	378
Portugal	0	0	6	123	6	123
Romania	1	43	0	0	1	43
USSR	1	78	0	0	1	78
Yugoslavia	11	37	1	83	12	121
Oth Europe	4	37	0	0	4	37
TOTAL	4137	19432	613	10792	4750	30224
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	218	76	489	178	707	254
Oth N & C Am.	0	0	0	0	0	0
TOTAL	348	2424	707	2953	1055	5377
SOUTH AMERICA						
Argentina	0	0	0	0	0	0
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	50	692	0	0	50	692
OCEANIA						
Australia	2	219	0	0	2	219
New Zealand	0	0	0	0	0	0
Oth Oceania	0	0	0	0	0	0
TOTAL	2	219	0	0	2	219

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
February 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	14783	1765	66	77	14849	1842
Hong Kong	0	0	0	0	0	0
India	6	60	0	0	6	60
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	1	2	4	140	5	141
Malaysia	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	33	1210	0	0	33	1210
Oth Asia	0	0	0	0	0	0
TOTAL	77680	74056	929	11132	78609	85188
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	40	26	40	26
Swaziland	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	0	0	40	26	40	26

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.

A3179-3

REPORT

AMT
The Association For Manufacturing Technology
Founded 1902 as National Machine Tool Builders' Association
Direct Dial: (703) 827-5260

STATISTICAL

No. 48-92 May 27, 1992

U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY – MARCH 1992

(values in millions of U.S. dollars)

	Mar. 1992	Feb. 1992	Average Dec.-Feb.	YTD Total'92	YTD Total'91	% Change 1991-1992
METAL CUTTING MACHINE TOOLS						
Exports	$ 42.0	$ 43.8	$ 46.3	$134.8	$147.4	(8.5%)
Imports	$118.6	$ 96.8	$125.8	$350.4	$382.0	(8.3%)
Balance	($ 76.6)	($ 53.0)	($ 79.5)	($215.6)	($234.6)	(8.1%)
METAL FORMING MACHINE TOOLS						
Exports	$ 35.3	$ 48.0	$ 43.8	$119.2	$102.8	16.0%
Imports	$ 44.9	$ 24.9	$ 38.1	$119.2	$134.9	(11.6%)
Balance	($ 9.6)	$ 23.1	$ 5.7	$ 0.0	($ 32.1)	(100.0%)
MACHINE TOOL TOTAL						
Exports	$ 77.3	$ 91.8	$ 90.1	$254.0	$250.2	1.5%
Imports	$163.5	$121.7	$163.9	$469.6	$516.8	(9.1%)
Balance	($ 86.2)	($ 29.9)	($ 73.8)	($215.6)	($266.6)	(19.1%)
NUMERICALLY CONTROLLED MACHINE TOOLS						
Exports	$ 19.4	$ 27.6	$ 24.8	$ 74.1	$ 82.8	(10.5%)
Imports	$ 84.4	$ 71.8	$ 88.4	$245.7	$269.7	(8.9%)
Balance	($ 65.0)	($ 44.2)	($ 63.6)	($171.6)	($186.9)	(8.2%)
OTHER MANUFACTURING TECHNOLOGY						
Exports	$156.6	$143.6	$146.9	$445.4	$404.9	10.0%
Imports	$173.8	$128.7	$144.5	$450.3	$509.7	(11.7%)
Balance	($ 17.2)	$ 14.9	$ 2.4	($ 4.9)	($104.8)	(95.3%)

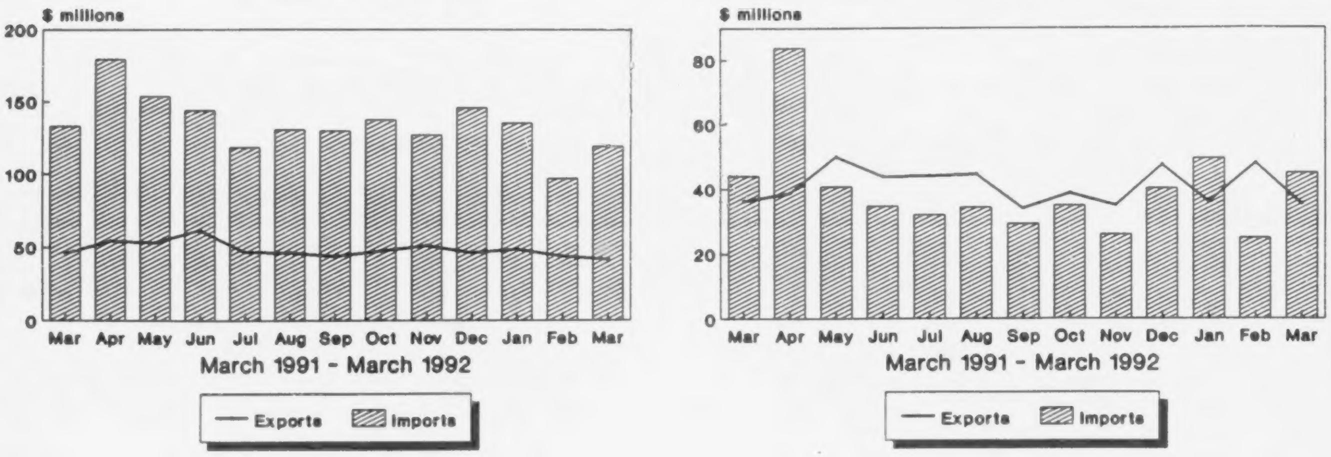
Note: Numerically controlled machine tools is a subgroup of the machine tool total. ( ) denotes negative. NM = not meaningful. Individual items may not add up to totals due to rounding.

- U.S. machine tool exports in the first three months of 1992 are $254.0 million, up 1.5% over last year. Metal cutting exports are down 8.5%; metal forming exports are up 16.0%.

- Machine tool imports in 1992 through March are down 9.1% from last year to $469.6 million. The import total for the first quarter of 1992 is the lowest quarterly import total since the second quarter of 1988.

- Year-to-date exports of NC machines are $74.1 million, down from $82.8 million last year at this time. Imports of NC machines are down 9% to $245.7 million.

U.S. MONTHLY TRADE IN MACHINE TOOLS


METAL CUTTING

METAL FORMING

METAL CUTTING MACHINE TOOLS

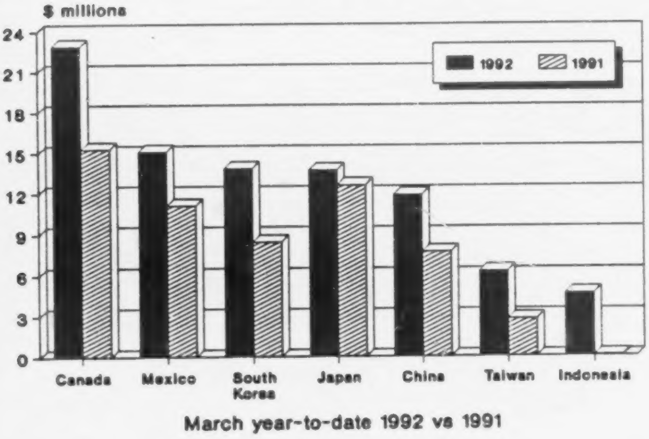
Exports

- Metal cutting exports in March fell slightly from February to $42.0 million. Year-to-date exports of $134.8 million are down 9% from last year.

- Canada is the top year-to-date export market at $22.9 million, up 50% over last year. Exports to Indonesia in 1992 through March are $4.6 million, up from just over $56,000 last year at this time. Exports to Germany are down 83% to $4.4 million so far this year.

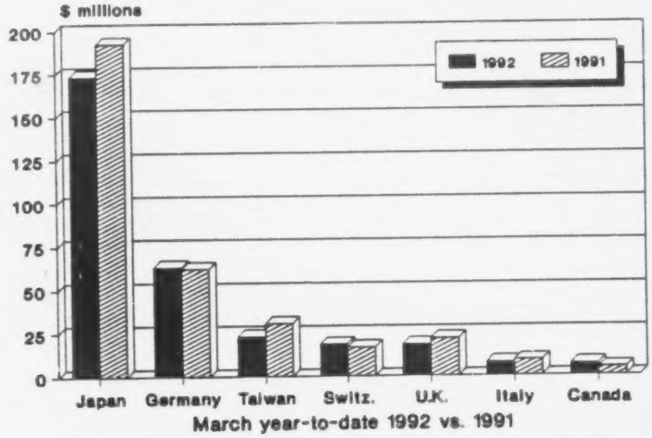
- Year-to-date exports of milling machines are $15.9 million, up from $4.2 million last year at this time. The largest markets for milling machines so far in 1992 include Taiwan ($3.5 million), China ($3.2 million), Poland ($2.4 million) and Mexico ($1.5 million).

LEADING U.S. EXPORT MARKETS
METAL CUTTING MACHINES



March year-to-date 1992 vs 1991

LEADING U.S. IMPORT SOURCES
METAL CUTTING MACHINES



March year-to-date 1992 vs. 1991

Imports

- Imports of metal cutting machines in March rose to $118.6 million, up from $96.8 million in February. Year-to-date imports of $350.4 million are down 8% from last year.

- Imports of EDMs so far in 1992 are $20.0 million, up from $18.7 million in 1991 at this time. Year-to-date imports of sawing or cutting off machines are $7.0 million, down from $12.4 million in the comparable period in 1991.

- Year-to-date metal cutting imports from Japan are down 10% to $173.5 million; imports from Taiwan are down 24% to $23.0 million. Imports in 1992 through March from Singapore have more than doubled to $5.1 million.

METAL FORMING MACHINE TOOLS

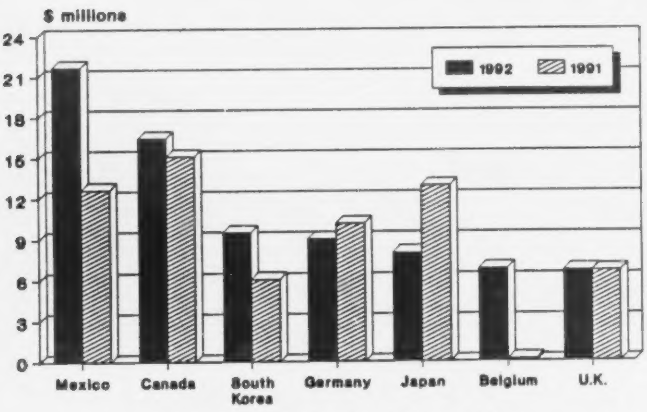
Exports

- Exports of metal forming machines fell to $35.3 million in March, down from $48.0 million in February. Year-to-date exports are up 16% to $119.2 million.

- Mexico is the top year-to-date market at $21.7 million, up 71% over last year; exports to Korea are up 57% to $9.5 million. Exports to Belgium are $6.8 million, up from less than $0.2 million at this time in 1991, while exports to Saudi Arabia are $7.4 million, up from $3.0 million last year at this time.

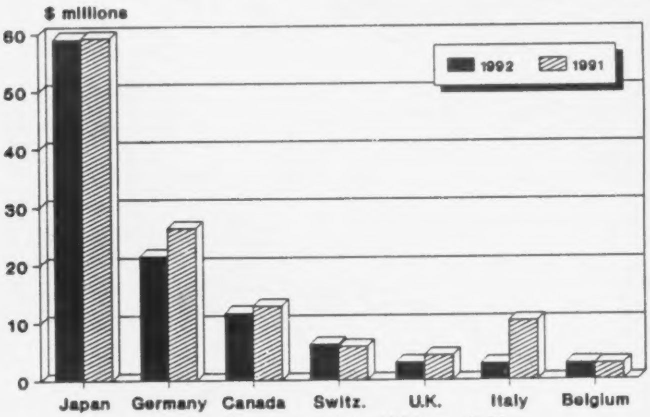
- Exports of bending and forming machines so far in 1992 are $21.2 million, up from $18.4 million last year at this time. The top markets so far this year: Mexico ($4.6 million), Belgium ($4.0 million), South Korea ($3.2 million) and Canada ($1.7 million).

LEADING U.S. EXPORT MARKETS
METAL FORMING MACHINES



March year-to-date 1992 vs. 1991

LEADING U.S. IMPORT SOURCES
METAL FORMING MACHINES



March year-to-date 1992 vs. 1991

Imports

- Year-to-date imports of metal forming machines are down 12% to $119.2 million. March imports of $44.9 million were up from $24.9 million in February.

- Year-to-date imports of punching and shearing machines are $17.9 million, up from $12.7 million last year. The top suppliers so far in 1992 are Japan ($11.7 million), Italy ($1.2 million) and Germany ($1.2 million)

- Imports from Japan in the first quarter are about even with last year at $59.1 million; imports from Germany are down 18% to $21.5 million.

OTHER MANUFACTURING TECHNOLOGY

Exports

- Exports of machine tool parts and accessories are $185.0 million in 1992 through March, up from $165.8 million last year at this time. The top markets so far in 1992: Canada ($33.2 million), Japan ($26.3 million), and Germany ($18.0 million).

- Exports of numerical controls for controlling machine tools are $6.0 million so far in 1992, up from $5.9 million last year. The top markets in 1992: France ($0.5 million), Canada ($0.5 million), Japan ($0.4 million) and Germany ($0.4 million).

Imports

- Imports of machine tool parts and accessories are $130.9 million in 1992 through March, down from $136.7 million in 1991. The top sources this year: Japan ($34.8 million), Canada ($29.5 million), Germany ($21.5 million) and Switzerland ($9.0 million).

- Year-to-date imports of industrial robots are $23.6 million, up from $16.4 million in 1991 at this time.

MONTHLY FOCUS

Many economists believe that demand for manufactured goods in the United States will stay modest in the near term, making exports, including machine tool exports, critical for sustained U.S. economic recovery. On one hand, year-to-date U.S. machine tool exports are up 1.5% over the same time in 1991, when exports set an all-time record. On the other hand, machine tool exports have now fallen (slightly) for three consecutive quarters (see chart 1), and U.S. machine tool export orders in 1992 through April are down 49% from a year ago, according to AMT's Industry Estimates.

Economic slowdowns in Germany and Japan, the world's top machine tool consumers, are causing machine tool demand -- and U.S. machine tool exports to those countries -- to slow. U.S. machine tool exports to Germany are down 62% in 1992 through March; exports to Japan are down 15% (see chart 2). If U.S. machine tool exports are to set another record in 1992, other countries will have to take up the slack. So far this year, Canada (exports up 30% so far in 1992), Mexico (up 55%) and South Korea (up 61%), among others, are serving that purpose.

Chart 1: Quarterly U.S. Machine Tool Exports

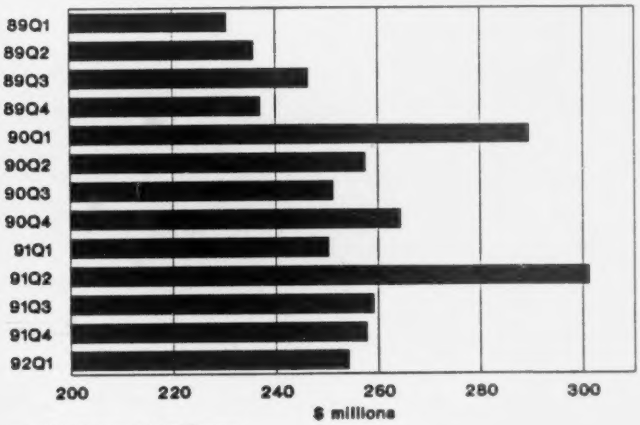
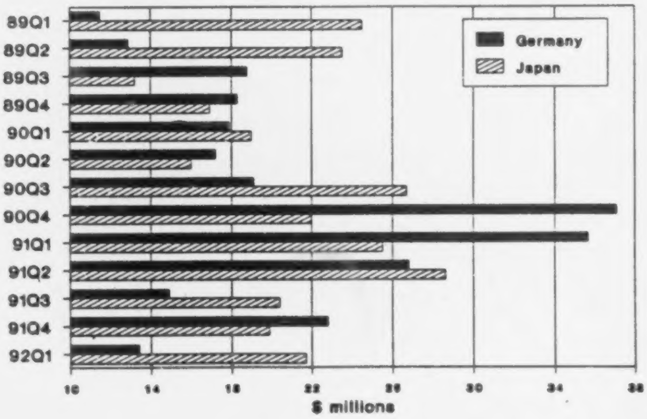


Chart 2: Quarterly U.S. Machine Tool Exports to Germany and Japan



Source: U.S. Bureau of the Census

1992 EXPORTS

METAL CUTTING

COUNTRY	MAR'92	FEB'92	% CHANGE	MAR'92 YTD	MAR'91 YTD	% CHANGE
Canada	$6,746,814	$5,857,209	15%	$22,887,735	$15,257,045	50%
Mexico	5,728,575	6,533,302	-12%	15,107,002	11,118,994	36%
South Korea	3,411,661	4,545,495	-25%	13,844,318	8,406,084	65%
Japan	2,982,330	7,237,502	-59%	13,705,744	12,599,772	9%
China	2,386,904	4,641,119	-49%	11,884,702	7,662,093	55%
Taiwan	1,668,460	1,889,419	-12%	6,236,974	2,746,709	127%
Indonesia	4,415,000	134,829	3175%	4,581,478	56,079	8070%
United Kingdom	1,041,355	1,971,568	-47%	4,532,418	6,507,381	-30%
Germany	1,681,578	1,706,814	-1%	4,402,338	25,547,897	-83%
Brazil	507,551	963,409	-47%	3,756,393	2,475,127	52%
Italy	1,264,366	1,445,108	-13%	3,721,209	5,495,062	-32%
Switzerland	588,714	364,977	61%	2,850,858	2,000,799	42%
India	2,149,449	530,394	305%	2,729,524	3,961,560	-31%
Singapore	1,479,016	294,349	402%	2,643,203	1,630,597	62%
France	342,979	1,222,654	-72%	1,902,956	4,643,658	-59%
Venezuela	968,044	319,469	203%	1,806,262	2,919,963	-38%
Netherlands	30,620	173,043	-82%	1,406,325	2,194,540	-36%
Australia	434,212	337,947	28%	1,265,382	1,745,472	-28%
Thailand	486,622	163,861	197%	957,267	452,330	112%
Austria	8,809	0	NA	505,412	447,368	13%
Malaysia	223,088	27,698	705%	432,470	70,801	511%
Belgium	123,874	101,063	23%	307,774	3,060,951	-90%
Spain	53,192	9,107	484%	130,496	465,527	-72%
USSR	0	0	NA	0	11,434,601	-100%

METAL FORMING

COUNTRY	MAR'92	FEB'92	% CHANGE	MAR'92 YTD	MAR'91 YTD	% CHANGE
Mexico	$8,177,089	$6,352,532	29%	$21,677,086	$12,647,057	71%
Canada	5,949,839	8,574,720	-31%	16,430,912	15,102,950	9%
South Korea	1,896,157	3,877,732	-51%	9,493,371	6,056,986	57%
Germany	2,276,472	3,634,589	-37%	9,007,149	10,160,431	-11%
Japan	2,829,337	2,007,218	41%	8,001,702	12,926,848	-38%
Belgium	756,562	3,916,481	-81%	6,818,278	152,766	4363%
United Kingdom	1,244,304	3,676,966	-66%	6,684,504	6,631,311	1%
France	1,264,480	1,107,729	14%	5,650,832	2,226,096	154%
Taiwan	1,462,014	1,499,756	-3%	3,916,509	2,263,921	73%
Thailand	88,113	2,766,706	-97%	2,982,423	1,608,230	85%
Brazil	921,416	101,020	812%	2,062,436	2,230,234	-8%
Singapore	525,553	621,402	-15%	1,614,113	1,988,238	-19%
Switzerland	240,969	1,074,918	-78%	1,391,907	609,087	129%
Italy	534,622	299,658	78%	1,261,692	2,151,405	-41%
China	189,649	534,889	-65%	1,252,385	3,849,379	-67%
Venezuela	414,593	623,396	-33%	1,063,689	350,589	203%
Malaysia	656,411	139,779	370%	807,746	638,089	27%
Netherlands	148,840	124,648	19%	671,726	2,521,171	-73%
Indonesia	270,000	0	NA	590,030	408,560	44%
Australia	192,649	185,009	4%	526,876	792,509	-34%
Austria	412,442	106,185	288%	518,627	83,602	520%
Spain	0	413,837	-100%	498,297	351,213	42%
India	161,193	109,200	48%	372,294	529,027	-30%
USSR	45,960	75,783	-39%	121,743	0	NA

MACHINE TOOL TOTAL

COUNTRY	MAR'92	FEB'92	% CHANGE	MAR'92 YTD	MAR'91 YTD	% CHANGE
Canada	$12,696,653	$14,431,929	-12%	$39,318,647	$30,359,995	30%
Mexico	13,905,664	12,885,834	8%	36,784,088	23,766,051	55%
South Korea	5,307,818	8,423,227	-37%	23,337,689	14,463,070	61%
Japan	5,811,667	9,244,720	-37%	21,707,446	25,526,620	-15%
Germany	3,958,050	5,341,403	-26%	13,409,487	35,708,328	-62%
China	2,576,553	5,176,008	-50%	13,137,087	11,511,472	14%
United Kingdom	2,285,659	5,648,534	-60%	11,216,922	13,138,692	-15%
Taiwan	3,130,474	3,389,175	-8%	10,153,483	5,010,630	103%
France	1,607,459	2,330,383	-31%	7,553,788	6,869,754	10%
Belgium	880,436	4,017,544	-78%	7,126,052	3,213,717	122%
Brazil	1,428,967	1,064,429	34%	5,818,829	4,705,361	24%
Indonesia	4,685,000	134,829	3375%	5,171,508	464,639	1013%
Italy	1,798,988	1,744,766	3%	4,982,901	7,646,467	-35%
Singapore	2,004,569	915,751	119%	4,257,316	3,618,835	18%
Switzerland	829,683	1,439,895	-42%	4,242,765	2,609,886	63%
Thailand	574,735	2,930,567	-80%	3,939,690	2,060,560	91%
India	2,310,642	639,594	261%	3,101,818	4,490,587	-31%
Venezuela	1,382,637	942,865	47%	2,869,951	3,270,552	-12%
Netherlands	179,460	297,691	-40%	2,078,051	4,715,711	-56%
Australia	626,861	522,956	20%	1,792,258	2,537,981	-29%
Malaysia	879,499	167,477	425%	1,240,216	708,890	75%
Austria	421,251	106,185	297%	1,024,039	530,970	93%
Spain	53,192	422,944	-87%	628,793	816,740	-23%
USSR	45,960	75,783	-39%	121,743	11,434,601	-99%

1992 IMPORTS

METAL CUTTING

COUNTRY	MAR'92	FEB'92	% CHANGE	MAR'92 YTD	MAR'91 YTD	% CHANGE
Japan	$60,150,783	$57,032,263	5%	$173,470,441	$192,578,120	-10%
Germany	14,774,500	6,701,042	120%	63,232,970	62,159,576	2%
Taiwan	7,149,360	8,774,897	-19%	23,037,318	30,452,815	-24%
Switzerland	6,775,113	3,328,081	104%	18,528,400	16,745,441	11%
United Kingdom	8,239,796	4,099,462	101%	18,283,083	21,631,359	-15%
Italy	2,177,284	1,991,061	9%	7,923,243	9,033,479	-12%
Canada	2,637,951	2,347,959	12%	6,752,708	4,618,762	46%
South Korea	2,053,488	3,615,534	-43%	6,670,165	4,330,035	54%
Singapore	1,850,753	1,596,398	16%	5,125,906	2,479,846	107%
Spain	750,900	792,433	-5%	3,095,498	6,240,748	-50%
France	1,735,935	365,402	375%	2,413,011	4,577,369	-47%
Sweden	950,447	245,492	287%	2,357,740	5,651,473	-58%
Brazil	80,601	691,885	-88%	1,834,698	1,182,368	55%
Belgium	102,702	35,793	187%	174,102	1,027,622	-83%

METAL FORMING

COUNTRY	MAR'92	FEB'92	% CHANGE	MAR'92 YTD	MAR'91 YTD	% CHANGE
Japan	$21,903,887	$10,229,603	114%	$59,125,363	$59,299,949	0%
Germany	10,214,853	4,507,747	127%	21,469,637	26,321,702	-18%
Canada	4,522,793	2,775,207	63%	11,666,172	12,794,359	-9%
Switzerland	2,326,115	1,372,689	69%	6,169,442	5,807,318	6%
United Kingdom	952,567	1,016,321	-6%	3,085,124	4,260,391	-28%
Italy	1,200,945	381,203	215%	2,878,879	10,203,187	-72%
Belgium	341,270	116,482	193%	2,868,592	2,771,467	4%
Sweden	407,010	1,165,452	-65%	2,322,621	5,023,090	-54%
Taiwan	774,610	554,382	40%	1,968,208	2,235,725	-12%
France	833,915	1,063,749	-22%	1,900,664	709,110	168%
Spain	90,649	226,704	-60%	724,390	1,015,520	-29%
South Korea	0	131,562	-100%	270,339	283,059	-4%
Brazil	0	0	NA	9,051	538,940	-98%
Singapore	0	0	NA	0	300,254	-100%

MACHINE TOOL TOTAL

COUNTRY	MAR'92	FEB'92	% CHANGE	MAR'92 YTD	MAR'91 YTD	% CHANGE
Japan	$82,054,670	$67,261,866	22%	$232,595,804	$251,878,069	-8%
Germany	24,989,353	11,208,789	123%	84,702,607	88,481,278	-4%
Taiwan	7,923,970	9,329,279	-15%	25,005,526	32,688,540	-24%
Switzerland	9,101,228	4,700,770	94%	24,697,842	22,552,759	10%
United Kingdom	9,192,363	5,115,783	80%	21,368,207	25,891,750	-17%
Canada	7,160,744	5,123,166	40%	18,418,880	17,413,121	6%
Italy	3,378,229	2,372,264	42%	10,802,122	19,236,666	-44%
South Korea	2,053,488	3,747,096	-45%	6,940,504	4,613,094	50%
Singapore	1,850,753	1,596,398	16%	5,125,906	2,780,100	84%
Sweden	1,357,457	1,410,944	-4%	4,680,361	10,674,563	-56%
France	2,569,850	1,429,151	80%	4,313,675	5,286,479	-18%
Spain	841,549	1,019,137	-17%	3,819,888	7,256,268	-47%
Belgium	443,972	152,275	192%	3,042,694	3,799,089	-20%
Brazil	80,601	691,885	-88%	1,843,749	1,721,308	7%

1992 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1992		FEBRUARY 1992		MARCH 1992		MARCH 1992 YTD	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	5,316	$11,265,820	5,422	$19,598,877	6,557	$15,515,671	17,295	$46,380,368
Boring machines	4	111,194	13	355,020	22	1,051,530	39	1,517,744
Drilling machines	46	2,480,904	77	1,808,417	144	1,028,066	267	5,317,387
Gear cutting machines	16	2,952,428	14	3,352,752	11	1,838,305	41	8,143,485
Grinding machines	296	11,067,320	248	6,487,757	298	7,112,597	842	24,667,674
NC horizontal lathes	22	4,786,634	16	2,123,339	22	2,483,249	60	9,393,222
NC vertical lathes	1	170,620	7	1,895,200	3	314,112	11	2,379,932
Non-NC lathes	44	3,333,427	36	1,234,899	39	866,194	119	5,434,520
Milling machines	35	6,163,478	43	5,628,228	43	4,140,783	121	15,932,489
Machining centers	18	4,153,920	43	2,912,384	26	3,823,849	87	10,890,153
Station type machines	2	689,332	24	3,705,541	5	6,212,800	31	10,607,673
Other metal cutting machines	191	5,028,354	261	7,372,840	260	5,534,794	712	17,935,988
Punching & shearing machines	75	2,962,166	120	6,014,865	92	4,643,641	287	13,620,672
Bending & forming machines	154	5,495,473	156	8,763,283	161	6,961,257	471	21,220,013
Presses	98	7,968,219	112	6,395,734	96	6,397,621	306	20,761,574
Forging machines	18	4,823,312	20	1,352,893	11	1,504,192	49	7,680,397
Other metal forming machines	221	11,490,938	324	12,788,805	320	7,847,518	865	32,127,261
MACHINE TOOL TOTAL	6,557	84,943,539	6,936	91,790,834	8,110	77,276,179	21,603	254,010,552

PRODUCT TYPES	MARCH 1991		MARCH 1991 YTD	
	Units	Value	Units	Value
Used & rebuilt & under $3,025	5,918	$12,359,757	16,582	$34,976,354
Boring machines	7	490,980	23	3,753,053
Drilling machines	98	2,731,002	274	7,158,738
Gear cutting machines	16	3,898,627	53	14,719,016
Grinding machines	275	8,387,839	791	24,580,359
NC horizontal lathes	29	3,419,112	77	8,851,580
NC vertical lathes	6	371,174	9	874,319
Non-NC lathes	34	912,266	117	3,002,467
Milling machines	56	1,629,636	104	4,172,227
Machining centers	21	6,179,301	66	13,130,501
Station type machines	3	3,750,445	20	26,795,070
Other metal cutting machines	322	7,317,458	823	21,442,623
Punching & shearing machines	85	4,584,562	272	14,554,172
Bending & forming machines	119	7,232,573	337	18,436,562
Presses	128	4,847,879	517	18,000,169
Forging machines	21	4,124,370	51	12,016,725
Other metal forming machines	193	9,543,993	609	23,756,729
MACHINE TOOL TOTAL	7,331	81,780,974	20,725	250,220,664

1992 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	% CHANGE FEB'92–MAR'92		% CHANGE MAR'91–MAR'92		% CHANGE YTD'91–YTD'92	
	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	20.9%	-20.8%	10.8%	25.5%	4.3%	32.6%
Boring machines	69.2%	196.2%	214.3%	114.2%	69.6%	-59.6%
Drilling machines	87.0%	-43.2%	46.9%	-62.4%	-2.6%	-25.7%
Gear cutting machines	-21.4%	-45.2%	-31.3%	-52.8%	-22.6%	-44.7%
Grinding machines	20.2%	9.6%	8.4%	-15.2%	6.4%	0.4%
NC horizontal lathes	37.5%	17.0%	-24.1%	-27.4%	-22.1%	6.1%
NC vertical lathes	-57.1%	-83.4%	-50.0%	-15.4%	22.2%	172.2%
Non-NC lathes	8.3%	-29.9%	14.7%	-5.1%	1.7%	81.0%
Milling machines	0.0%	-26.4%	-23.2%	154.1%	16.3%	281.9%
Machining centers	-39.5%	31.3%	23.8%	-38.1%	31.8%	-17.1%
Station type machines	-79.2%	67.7%	66.7%	65.7%	55.0%	-60.4%
Other metal cutting machines	-0.4%	-24.9%	-19.3%	-24.4%	-13.5%	-16.4%
Punching & shearing machines	-23.3%	-22.8%	8.2%	1.3%	5.5%	-6.4%
Bending & forming machines	3.2%	-20.6%	35.3%	-3.8%	39.8%	15.1%
Presses	-14.3%	0.0%	-25.0%	32.0%	-40.8%	15.3%
Forging machines	-45.0%	11.2%	-47.6%	-63.5%	-3.9%	-36.1%
Other metal forming machines	-1.2%	-38.6%	65.8%	-17.8%	42.0%	35.2%
MACHINE TOOL TOTAL	16.9%	-15.8%	10.6%	-5.5%	4.2%	1.5%

1992 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1992		FEBRUARY 1992		MARCH 1992		MARCH 1992 YTD	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	94,127	$12,280,602	81,661	$11,946,493	71,929	$14,045,979	247,717	$38,273,074
Boring machines	25	3,463,952	36	989,787	45	3,737,653	106	8,191,392
Drilling machines	97	4,705,463	104	2,226,497	36	2,753,876	237	9,685,836
Gear cutting machines	37	6,172,007	4	649,747	23	1,307,398	64	8,129,152
Grinding machines	512	27,479,836	361	11,708,165	475	16,761,975	1,348	55,949,976
NC horizontal lathes	153	15,234,824	285	26,313,185	235	23,072,156	673	64,620,165
NC vertical lathes	16	1,194,631	4	987,274	18	4,031,865	38	6,213,770
Non-NC lathes	207	3,386,097	249	4,832,824	242	4,680,480	698	12,899,401
Milling machines	138	4,406,171	198	2,995,701	244	3,330,393	580	10,732,265
Machining centers	200	22,852,787	215	23,855,068	227	27,699,714	642	74,407,569
Station type machines	18	19,481,908	12	2,219,038	9	1,337,261	39	23,038,207
Other metal cutting machines	280	16,298,473	264	10,069,462	284	18,240,822	828	44,608,757
Punching & shearing machines	100	7,476,279	99	5,200,811	75	5,203,477	274	17,880,567
Bending & forming machines	151	11,974,223	125	4,205,804	147	6,328,325	423	22,508,352
Presses	101	15,951,346	598	3,793,878	364	7,021,117	1,063	26,766,341
Forging machines	104	2,006,697	165	1,340,569	45	17,634,877	315	20,982,143
Other metal forming machines	151	10,016,946	125	8,391,681	228	6,298,417	504	24,707,044
MACHINE TOOL TOTAL	96,417	184,382,242	84,506	121,725,984	74,626	163,485,785	255,549	469,594,011

PRODUCT TYPES	MARCH 1991		MARCH 1991 YTD	
	Units	Value	Units	Value
Used & rebuilt & under $3,025	63,827	$14,630,134	230,106	$43,693,588
Boring machines	55	6,672,018	195	13,179,877
Drilling machines	105	5,761,640	313	13,171,551
Gear cutting machines	17	4,539,343	81	14,395,237
Grinding machines	540	20,820,588	1,666	61,007,513
NC horizontal lathes	244	28,306,454	653	71,670,565
NC vertical lathes	9	2,973,011	33	6,594,016
Non-NC lathes	312	7,055,881	1,374	20,626,760
Milling machines	250	4,970,541	956	20,537,462
Machining centers	167	23,632,084	646	77,876,735
Station type machines	5	1,401,630	23	7,421,621
Other metal cutting machines	249	15,490,901	911	39,432,872
Punching & shearing machines	89	5,334,266	215	12,670,396
Bending & forming machines	147	8,228,937	519	23,481,583
Presses	163	8,995,976	552	34,266,108
Forging machines	51	5,954,214	157	13,510,810
Other metal forming machines	277	12,006,374	793	41,575,894
MACHINE TOOL TOTAL	66,507	176,773,992	239,193	515,112,588

1992 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	% CHANGE FEB'92-MAR'92		% CHANGE MAR'91-MAR'92		% CHANGE YTD'91-YTD'92	
	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	-11.9%	17.6%	12.7%	-4.0%	7.7%	-12.4%
Boring machines	25.0%	277.6%	-18.2%	-44.0%	-45.6%	-37.8%
Drilling machines	-65.4%	23.7%	-65.7%	-52.2%	-24.3%	-26.5%
Gear cutting machines	475.0%	101.2%	35.3%	-71.2%	-21.0%	-43.5%
Grinding machines	31.6%	43.2%	-12.0%	-19.5%	-19.1%	-8.3%
NC horizontal lathes	-17.5%	-12.3%	-3.7%	-18.5%	3.1%	-9.8%
NC vertical lathes	350.0%	308.4%	100.0%	35.6%	15.2%	-5.8%
Non-NC lathes	-2.8%	-3.2%	-22.4%	-33.7%	-49.2%	-37.5%
Milling machines	23.2%	11.2%	-2.4%	-33.0%	-39.3%	-47.7%
Machining centers	5.6%	16.1%	35.9%	17.2%	-0.6%	-4.5%
Station type machines	-25.0%	-39.7%	80.0%	-4.6%	69.6%	210.4%
Other metal cutting machines	7.6%	81.1%	14.1%	17.8%	-9.1%	13.1%
Punching & shearing machines	-24.2%	0.1%	-15.7%	-2.5%	27.4%	41.1%
Bending & forming machines	17.6%	50.5%	0.0%	-23.1%	-18.5%	-4.1%
Presses	-39.1%	85.1%	123.3%	-22.0%	92.6%	-21.9%
Forging machines	-72.9%	1215.5%	-11.8%	196.2%	100.6%	55.3%
Other metal forming machines	82.4%	-24.9%	-17.7%	-47.5%	-36.4%	-40.6%

U.S. EXPORTS
Metal Cutting Machine Tools - March 92

RELEASED: May 27, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	38	2526	9	507
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	19	1649	3	511
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	6	1017	2	171
100035	Horizontal machining centers, ATC	11	3219	8	2063
100045	Machining centers, n.e.c.	51	5006	13	1079
200010	Unit construction mach. (single station transfer), NC	1	958	0	0
200090	Unit construction mach. (single station transfer), non-NC	1	97	0	0
300010	Multi-station transfer machines, NC	1	589	0	0
300090	Multi-station transfer machines, non-NC	23	8374	3	5934
8458110010	Horizontal lathes, multiple spindle, NC	18	1598	8	675
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	21	1948	7	707
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	14	3768	6	966
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	7	2079	1	135
190030	Horizontal engine or toolroom lathes, non-NC	8	167	2	10
190050	Automatic bar and/or chucking mach., single spindle, non-NC	3	153	2	11
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	10	610	6	150
190090	Horizontal lathes, n.e.c., non-NC	68	966	23	459
911060	Vertical turret lathes, multiple spindle, NC	0	0	0	0
911080	Vertical turret lathes, n.e.c., NC	1	118	1	118
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	10	2261	2	196
991050	Vertical turret lathes, non-NC	8	290	2	24
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	22	3248	4	212
8459100000	Way-type unit head machines	5	589	2	279
210080	Other drilling machines, NC	31	3631	4	167
290040	Drilling machines, multiple spindle, non-NC	3	83	1	49
290050	Drilling machines, radial, non-NC	7	69	3	37
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	3	111	1	31
290090	Drilling machines, n.e.c., non-NC	223	1424	135	744
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	0	0	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	0	0	0	0
310070	Boring-milling machines, n.e.c., NC	10	692	5	498
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	0	0	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	13	229	9	126
400040	Boring machines, vertical, NC	0	0	0	0
400050	Boring machines, vertical, non-NC	12	408	5	266
400070	Boring machines, n.e.c., NC	1	104	1	104
400080	Boring machines, n.e.c., non-NC	3	84	2	58
510080	Milling machines, knee type, NC	1	1350	0	0
590030	Milling machines, knee type, non-NC	59	2396	25	1014
610080	Milling machines, excluding knee type, n.e.c., NC	20	8908	7	2902
690050	Milling machines, profile, dup., or die sinking, non-NC	3	220	0	0
690070	Milling machines, bed type, non-NC	1	25	1	25
690090	Milling machines, n.e.c., non-NC	37	3032	10	199
700020	Threading or tapping machines, n.e.c., NC	4	397	1	31
700080	Threading or tapping machines, n.e.c., non-NC	62	878	8	126
8460110080	Flat surface grinding machines, NC	22	984	12	477
190010	Flat surface grinding mach., recip.-table type, non-NC	6	73	3	31
190050	Flat surface grinding machines, n.e.c., non-NC	21	2369	2	280
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	14	3313	6	1200
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	5	1763	1	25
290030	Grinding machines, internal cylindrical, non-NC	36	2155	6	1105
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	66	4132	16	969
310080	Sharpening machines (tool & cutter grinding), NC	17	990	6	166
390050	Sharpening machines (tool & cutter grinding), non-NC	152	1173	54	388
400060	Honing or lapping machines, NC	0	0	0	0
400080	Honing or lapping machines, non-NC	127	1513	54	721
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	5	1817	1	50
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	371	4385	137	1700
8461100060	Planing machines, NC	1	1722	0	0
100080	Planing machines, non-NC	37	1451	13	199
200010	Shaping or slotting machines, NC	13	451	12	433
200090	Shaping or slotting machines, non-NC	5	157	1	17
300060	Broaching machines, NC	2	38	2	38
300080	Broaching machines, non-NC	6	136	3	16
401050	Gear hobbers	6	730	3	105
401070	Gear shapers	8	440	0	0
401090	Gear cutting machines, n.e.c.	22	5986	6	1579
405060	Gear grinding or finishing machines	5	987	2	154
500050	Sawing or cutting-off machines, NC	18	1283	11	647
500090	Sawing or cutting-off machines, non-NC	241	3329	76	1084
9000000001	Metal cutting machine tools, n.e.c.	285	5568	124	2438
9800000001	Used or rebuilt machine tools	1734	17508	561	5628
9900000001	Machine tools valued at less than $3,025	11483	5036	4479	1974
	Cutting Total			5913	42008
	Y-T-D Cutting Total	15547	134765		
	NC Y-T-D Cutting Total*	390	53919		

Please see notes on last page
of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - March 92

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	1	38	2	148	0	0
8457100015	0	0	0	0	0	0	0	0	1	183
100025	0	0	0	0	0	0	0	0	2	171
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	2	389
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	6	472
110030	0	0	0	0	0	0	0	0	1	118
110050	0	0	0	0	0	0	0	0	6	966
110090	0	0	0	0	0	0	0	0	1	135
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	2	11
190070	0	0	0	0	0	0	0	0	0	0
190090	4	50	0	0	0	0	0	0	6	75
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	2	24
995090	0	0	0	0	0	0	0	0	1	18
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	1	49
290050	0	0	0	0	0	0	0	0	2	21
290070	0	0	0	0	0	0	0	0	1	31
290090	0	0	0	0	0	0	0	0	34	290
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	1	33
400070	0	0	0	0	0	0	1	104	0	0
400080	0	0	0	0	0	0	0	0	2	58
510080	0	0	0	0	0	0	0	0	0	0
590030	5	262	0	0	0	0	0	0	4	116
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	2	37
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	1	78	0	0	3	29
8460110080	0	0	0	0	0	0	0	0	1	32
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	1	16	0	0	0	0	1	7	15	121
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	3	42
900060	0	0	0	0	0	0	1	50	0	0
900080	0	0	0	0	0	0	0	0	20	183
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	10	132	1	128
200090	0	0	0	0	0	0	0	0	1	17
300060	0	0	0	0	0	0	0	0	2	38
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	1	62
500050	0	0	0	0	0	0	0	0	4	215
500090	0	0	0	0	0	0	0	0	28	360
9000000001	1	13	0	0	0	0	0	0	26	400
9800000001	5	13	2	9	0	0	8	65	180	1707
9900000001	120	79	0	0	9	8	4	3	215	217
Month Tot	136	434	2	9	11	124	27	508	577	6747
Y-T-D Tot	252	1265	3	505	39	308	100	3756	1401	22888
NC YTD Tot*	3	155	1	497	2	75	16	1996	85	13286

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - March 92

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	2	99	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	2	64	0	0	1	85	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	1	4415
8458110010	0	0	0	0	0	0	0	0	0	0
110030	1	120	1	133	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	1	118	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	1	1203	0	0	1	267	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	2	54	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	1	124	0	0
210080	0	0	0	0	2	549	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	1	75	0	0	1	20	4	1010	0	0
290050	0	0	0	0	1	15	4	599	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	2	16	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	7	167	8	48	12	230	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	6	91	1	5	3	75	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	1	28	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	7	105	2	51	0	0
9000000001	0	0	1	6	0	0	0	0	0	0
9800000001	48	544	1	6	8	57	143	357	0	0
9900000001	115	122	43	26	154	80	9	8	0	0
Month Tot	181	2387	56	343	197	1682	163	2149	1	4415
Y-T-D Tot	274	11885	286	1903	708	4402	190	2730	12	4581
NC YTD Tot*	22	5334	8	898	21	1900	2	446	3	135

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - March 92

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	2	125	1	60	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	1	191	0	0	6	1408	0	0	0	0
100045	0	0	0	0	1	173	0	0	4	225
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	2	1519
8458110010	0	0	0	0	0	0	0	0	1	78
110030	0	0	0	0	2	136	0	0	1	84
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	6	150	0	0	0	0	0	0
190090	1	230	1	5	0	0	0	0	8	77
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	1	46
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	1	14	0	0	0	0	2	180
8459100000	0	0	0	0	0	0	0	0	1	120
210080	0	0	0	0	0	0	0	0	3	81
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	83	371	0	0	0	0	7	33
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	3	257
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	9	126
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	1	33
610080	0	0	0	0	0	0	0	0	1	47
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	1	25
690090	0	0	0	0	0	0	0	0	5	57
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	1	3
8460110080	1	133	0	0	0	0	0	0	1	37
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	1	156	0	0
210080	0	0	1	126	0	0	0	0	2	379
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	1	104	0	0	0	0	0	0	3	46
310080	0	0	3	106	0	0	0	0	0	0
390050	0	0	23	150	9	57	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	1	5	0	0	2	16
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	21	302	22	389	0	0	16	142
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	2	77
401070	0	0	0	0	0	0	0	0	0	0
401090	1	528	0	0	2	891	0	0	2	119
405060	0	0	0	0	1	92	0	0	0	0
500050	0	0	0	0	0	0	0	0	4	212
500090	1	13	5	85	3	79	0	0	12	182
9000000001	0	0	64	1461	2	23	0	0	6	81
9800000001	11	53	1	20	8	57	0	0	83	1127
9900000001	10	12	84	68	56	42	107	67	907	320
Month Tot	27	1264	295	2982	114	3412	108	223	1091	5729
Y-T-D Tot	242	3721	972	13706	459	13844	158	432	3143	15107
NC YTD Tot*	4	1465	33	2443	40	6847	0	0	39	4101

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools – March 92

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	1	37
8457100015	0	0	2	329	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	1	463	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	1	150
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	86
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	1	36
610080	0	0	1	80	0	0	0	0	1	1070
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	4	150
310080	0	0	0	0	0	0	0	0	0	0
390050	2	16	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	1	7	1	9	4	33	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	4	55	1	10	1	10	1	6
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	1	21	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	1	12	0	0	0	0	3	11
9000000001	1	9	0	0	0	0	4	45	3	38
9800000001	0	0	12	846	3	20	1	4	0	0
9900000001	10	5	281	151	67	14	13	11	148	86
Month Tot	13	31	302	1479	72	53	25	589	164	1668
Y-T-D Tot	146	1406	903	2643	150	130	164	2851	489	6237
NC YTD Tot*	12	637	5	568	0	0	8	2294	19	5141

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - March 92

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	1	42	0	0	0	0	0	0	2	101
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	1	125	0	0
110030	0	0	0	0	0	0	1	116	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	2	10
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	3	22
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	1	159
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	1	17
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	11	51
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	1	192	0	0	1	50	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	4	233	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	14	567
610080	0	0	0	0	0	0	0	0	2	235
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	1	57	2	48
700020	0	0	1	31	0	0	0	0	0	0
700080	0	0	1	7	0	0	1	3	1	5
8460110080	1	21	0	0	0	0	0	0	6	200
190010	0	0	0	0	0	0	0	0	3	31
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	146	0	0	0	0	0	0
290010	0	0	1	25	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	3	55
310080	0	0	1	20	0	0	2	41	0	0
390050	0	0	0	0	0	0	0	0	1	5
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	15	163
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	11	114	0	0	19	198	11	120
8461100060	0	0	0	0	0	0	0	0	0	0
100080	2	33	1	33	0	0	0	0	9	113
200010	1	173	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	3	16	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	1	41	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	1	173	0	0	0	0	0	0	2	47
500090	0	0	2	16	0	0	0	0	12	172
9000000001	0	0	11	238	0	0	3	36	2	86
9800000001	1	3	4	141	0	0	1	5	41	594
9900000001	623	42	234	63	0	0	216	64	1054	485
Month Tot	630	487	272	1041	0	0	251	968	1198	3285
Y-T-D Tot	1093	957	648	4532	0	0	1260	1806	2455	13167
NC YTD Tot*	5	470	24	2641	0	0	6	378	32	2215

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
March 92

RELEASED: May 27, 1992

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	122	1493	53	596
8462100030	Headers and upsetters, including cold headers	5	3588	1	225
100050	Forging or die stamping machines, and hammers, n.e.c.	44	4093	10	1279
210080	Bending, folding, straight. or flat. mach., incl presses, NC	111	8806	39	1712
290030	Press brakes, non-NC	17	221	7	105
290040	Bending rolls, non-NC	20	786	12	569
290050	Bending, folding, straight., or flat., n.e.c., non-NC	323	11407	103	4576
310080	Shearing machines, NC	29	1869	9	727
390050	Shearing machines, non-NC	82	1660	29	602
410080	Punching or notching mach., incl. comb. punch & shear, NC	36	6010	9	1952
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	140	4082	45	1363
910060	Hydraulic presses, NC	3	171	0	0
910090	Hydraulic presses, non-NC	95	2960	25	859
990030	Presses, n.e.c., NC	43	3364	11	930
990040	Presses, mechanical, non-NC	14	1467	8	483
990060	Presses, n.e.c., non-NC	151	12800	52	4126
8463100080	Draw benches for bars, tubes, profiles, wire or the like	54	1714	33	671
200080	Thread rolling machines	10	215	8	199
300080	Machines for working wire	179	4481	66	1744
900080	Metal forming machine tools, n.e.c.	500	24224	160	4638
9800000002	Used or rebuilt machine tools	751	21080	357	6937
9900000002	Machine tools valued at less than $3,025	3327	2756	1160	977
	Forming Total			2197	35268
	Y-T-D Forming Total	6056	119246		
	NC Y-T-D Forming Total	222	20220		
	Cutting and Forming Totals:				
	Monthly Total			8110	77276
	Y-T-D Total	21603	254011		
	NC Y-T-D Total*	612	74139		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	184987	0	70103
2000000000	Parts for working rubber or plastics - heading 8477	0	62646	0	21202
2710003070	Quenching or cutting oils	0	2018	0	783
8428900010	Industrial robots for lifting, handling, loading or unload	453	5002	216	2152
8431390090	Parts industrial robots, handling and loading - heading 8428	0	25389	0	8702
8456100000	Laser, light or photon beam for working any material	97	4850	20	1296
200000	Ultrasonic process for working any material	6	180	4	129
8477106010	Injection molding mach., for rubber or oth. thermosetting	55	4543	14	873
106070	Injection molding machines, for thermoplastics	170	18427	65	5829
200005	Extruders; rubber or other thermosetting mat., single screw	10	1380	8	279
200015	Extruders; rubber or thermosetting, other incl. multi. screw	30	2686	15	1816
200030	Extruders; thermoplastics, single screw	44	4940	7	1593
200060	Extruders; thermoplastics, other incl. multi. screw	25	2861	12	293
300000	Blow molding machines	183	16637	26	2691
400000	Vacuum-molding and other thermoforming machines	376	4310	185	1434
510010	Machines for molding or retreading pneumatic tires	1533	8643	574	3470
510090	Machines for molding or otherwise forming inner tubes	302	1302	49	407
590000	Machines for molding or otherwise forming n.e.c.	383	5941	155	1401
800000	Machines for working rubber or plastics n.e.c.	1014	26951	467	11031
8479899040	Industrial robots, n.e.c.	1433	15028	549	4955
908040	Industrial robot parts	0	7859	0	3313
8537100030	Numerical controls for controlling machine tools	438	6048	153	1974
9024100000	Machines and appliances for testing metals	0	14769	0	5670
9031100000	Machines for balancing mechanical parts	0	7508	0	1889
300000	Profile projectors	0	883	0	342
9032810040	Industrial process control instr., hydraulic or pneumatic	112379	9641	28699	3011

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
March 92

Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	38	412	0	0	1	40	2	46
8462100030	0	0	0	0	0	0	1	225	0	0
100050	0	0	0	0	0	0	0	0	1	609
210080	0	0	0	0	0	0	2	80	5	228
290030	0	0	0	0	0	0	0	0	4	54
290040	0	0	0	0	0	0	0	0	2	23
290050	2	10	0	0	28	677	1	13	12	314
310080	1	59	0	0	0	0	0	0	5	524
390050	0	0	0	0	0	0	0	0	7	203
410080	0	0	0	0	0	0	0	0	3	892
490050	3	99	0	0	1	8	0	0	17	427
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	1	54	0	0	3	304
990030	0	0	0	0	0	0	0	0	1	7
990040	0	0	0	0	0	0	1	161	2	41
990060	0	0	0	0	1	15	0	0	7	160
8463100080	0	0	0	0	0	0	0	0	3	156
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	4	151
900080	1	12	0	0	0	0	10	257	14	189
9800000002	0	0	0	0	0	0	1	27	53	1458
9900000002	13	12	0	0	1	3	140	118	225	166
Month Tot	20	193	38	412	32	757	157	921	370	5950
Y-T-D Tot	60	527	43	519	184	6818	192	2062	883	16431
NC YTD Tot	1	59	0	0	3	120	2	80	29	2856
C&F Month	156	627	40	421	43	880	184	1429	947	12697
C&F Y-T-D	312	1792	46	1024	223	7126	292	5819	2284	39319
C&F NC YTD*	4	213	1	497	5	195	18	2077	114	16142

Other Manufacturing Technology

1000000000	0	2061	0	121	0	696	0	699	0	12377
2000000000	0	316	0	91	0	129	0	188	0	5104
2710003070	0	18	0	0	0	32	0	0	0	85
8428900010	0	0	0	0	1	15	0	0	16	119
8431390090	0	185	0	0	0	70	0	7	0	940
8456100000	0	0	0	0	0	0	0	0	1	81
200000	0	0	0	0	0	0	0	0	2	76
8477106010	0	0	0	0	0	0	0	0	1	70
106070	0	0	0	0	0	0	6	435	11	977
200005	0	0	0	0	0	0	0	0	4	135
200015	0	0	0	0	0	0	0	0	9	714
200030	0	0	0	0	0	0	0	0	3	139
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	2	47	0	0	1	338
400000	0	0	0	0	0	0	0	0	2	41
510010	13	91	0	0	0	0	4	84	84	2126
510090	0	0	0	0	0	0	2	50	0	0
590000	0	0	0	0	1	8	2	30	0	0
800000	2	24	0	0	1	4	9	538	81	3175
8479899040	3	286	0	0	3	131	1	4	245	1465
908040	0	70	0	0	0	22	0	0	0	436
8537100030	0	0	1	12	5	79	3	41	9	107
9024100000	0	32	0	0	0	55	0	69	0	508
9031100000	0	11	0	0	0	0	0	5	0	658
300000	0	0	0	0	0	0	0	0	0	18
9032810040	5	17	288	126	960	88	3	3	1728	307

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
March 92

Metal Forming

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	1	6	1	7	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	1	65	0	0	0	0	0	0
210080	3	117	1	44	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	2	101	3	78	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	3	42	0	0	0	0
410080	0	0	1	250	1	166	0	0	0	0
490050	0	0	0	0	2	26	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	1	6	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	1	53	0	0	2	20	0	0	0	0
990060	0	0	0	0	5	1385	1	25	0	0
8463100080	0	0	0	0	14	231	0	0	0	0
200080	0	0	8	199	0	0	0	0	0	0
300080	0	0	7	167	11	178	0	0	0	0
900080	0	0	6	407	3	40	3	74	0	0
9800000002	1	20	0	0	6	51	2	42	1	270
9900000002	0	0	31	26	63	52	21	12	0	0
Month Tot	5	190	58	1264	114	2276	28	161	1	270
Y-T-D Tot	24	1252	147	5651	292	9007	59	372	13	590
NC YTD Tot	14	1163	3	319	5	479	0	0	0	0
C&F Month	186	2577	114	1607	311	3958	191	2311	2	4685
C&F Y-T-D	298	13137	433	7554	1000	13409	249	3102	25	5172
C&F NC YTD*	36	6497	11	1217	26	2379	2	446	3	135

Other Manufacturing Technology

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	1912	0	1771	0	6454	0	884	0	49
2000000000	0	171	0	497	0	1197	0	102	0	30
2710003070	0	0	0	28	0	50	0	42	0	12
8428900010	0	0	0	0	0	0	0	0	0	0
8431390090	0	278	0	1510	0	90	0	79	0	502
8456100000	0	0	0	0	0	0	0	0	0	0
200000	0	0	0	0	0	0	1	20	0	0
8477106010	1	38	0	0	0	0	0	0	0	0
106070	0	0	0	0	26	2419	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	1	30	0	0	0	0
200030	0	0	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	3	36	0	0	0	0
400000	0	0	25	8	0	0	0	0	0	0
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	1	9	6	95	0	0	0	0
800000	1	83	0	0	2	27	0	0	2	18
8479899040	0	0	119	825	63	871	0	0	0	0
908040	0	0	0	370	0	356	0	0	0	3
8537100030	21	150	15	192	9	116	1	16	0	0
9024100000	0	0	0	136	0	262	0	19	0	0
9031100000	0	0	0	3	0	20	0	0	0	0
300000	0	0	0	9	0	68	0	10	0	0
9032810040	260	13	412	57	3376	313	105	9	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
March 92

Metal Forming

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	1	7	0	0	2	40
8462100030	0	0	0	0	0	0	0	0	0	0
100050	1	175	2	142	0	0	0	0	3	190
210080	1	25	1	46	0	0	0	0	6	334
290030	0	0	0	0	0	0	0	0	1	43
290040	0	0	0	0	0	0	0	0	7	410
290050	0	0	0	0	11	1158	0	0	18	1530
310080	0	0	0	0	0	0	0	0	3	144
390050	0	0	0	0	0	0	0	0	15	282
410080	0	0	0	0	1	181	0	0	1	110
490050	2	285	2	303	0	0	0	0	8	118
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	2	27	0	0	12	265
990030	0	0	1	230	0	0	7	455	1	8
990040	0	0	1	141	0	0	0	0	0	0
990060	2	50	2	1141	0	0	1	199	23	490
8463100080	0	0	0	0	0	0	0	0	11	178
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	5	629	0	0	0	0	5	128
900080	0	0	4	99	9	280	0	0	21	111
9800000002	0	0	2	50	27	233	0	0	183	3560
9900000002	0	0	66	49	12	11	3	3	232	238
Month Tot	6	535	86	2829	63	1896	11	656	552	8177
Y-T-D Tot	159	1262	472	8002	228	9493	35	808	1436	21677
NC YTD Tot	3	154	6	630	18	3119	7	455	43	3256
C&F Month	33	1799	381	5812	177	5308	119	879	1643	13906
C&F Y-T-D	401	4983	1444	21707	687	23338	193	1240	4579	36734
C&F NC YTD*	7	1619	39	3072	58	9966	7	455	82	7357

Other Manufacturing Technology

1000000000	0	1992	0	9824	0	6011	0	584	0	4512
2000000000	0	584	0	1287	0	742	0	79	0	2202
2710003070	0	0	0	77	0	60	0	0	0	15
8428900010	75	744	3	23	0	0	0	0	0	0
8431390090	0	27	0	85	0	79	0	0	0	461
8456100000	1	16	2	398	8	365	0	0	1	64
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	11	678
106070	0	0	0	0	0	0	0	0	5	535
200005	0	0	0	0	0	0	0	0	1	28
200015	0	0	0	0	0	0	0	0	3	826
200030	0	0	0	0	0	0	0	0	2	75
200060	0	0	0	0	0	0	0	0	10	232
300000	0	0	0	0	0	0	3	480	6	1105
400000	0	0	76	550	12	105	0	0	20	304
510010	0	0	0	0	0	0	0	0	6	69
510090	0	0	2	14	0	0	0	0	0	0
590000	2	75	8	203	1	14	0	0	100	384
800000	2	11	2	119	41	611	0	0	133	2960
8479899040	23	228	10	205	5	34	1	8	4	142
908040	0	44	0	1403	0	9	0	0	0	51
8537100030	5	58	3	36	2	27	1	12	3	29
9024100000	0	30	0	1095	0	200	0	0	0	92
9031100000	0	12	0	107	0	520	0	0	0	253
300000	0	9	0	3	0	66	0	0	0	8
9032810040	616	182	3098	276	4719	243	80	4	444	50

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
March 92

Metal Forming	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	2	10	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	2	92
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	3	136
290050	1	5	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	1	143
490050	1	12	0	0	0	0	0	0	1	5
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	1	68
990060	0	0	1	122	0	0	2	70	1	247
8463100080	0	0	0	0	0	0	4	100	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	10	0	0	2	41	3	15
900080	5	117	0	0	0	0	0	0	25	609
9800000002	0	0	6	347	0	0	6	8	1	148
9900000002	7	6	49	47	0	0	25	22	0	0
Month Tot	16	149	57	526	0	0	39	241	38	1462
Y-T-D Tot	64	672	116	1614	17	498	135	1392	72	3917
NC YTD Tot	2	175	1	58	0	0	12	1003	17	1241
C&F Month	29	179	359	2005	72	53	64	830	202	3130
C&F Y-T-D	210	2078	1019	4257	167	629	299	4243	561	10153
C&F NC YTD*	14	812	6	626	0	0	20	3297	36	6381

Other Manufacturing Technology

1000000000	0	1236	0	629	0	648	0	723	0	793
2000000000	0	447	0	382	0	163	0	159	0	196
2710003070	0	0	0	12	0	4	0	4	0	33
8428900010	0	0	0	0	0	0	0	0	3	73
8431390090	0	51	0	57	0	3	0	0	0	212
8456100000	2	122	0	0	0	0	1	125	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	0	0	0	0	0	0	0	0
200005	0	0	0	0	0	0	0	0	3	103
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
400000	0	0	25	211	0	0	0	0	0	0
510010	351	286	1	7	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	3	65	0	0	4	12	0	0	4	150
800000	2	57	92	948	0	0	0	0	0	0
8479899040	6	39	1	5	0	0	23	260	0	0
908040	0	0	0	6	0	0	0	44	0	0
8537100030	2	34	2	32	0	0	0	0	0	0
9024100000	0	34	0	977	0	27	0	46	0	519
9031100000	0	0	0	37	0	0	0	0	0	0
300000	0	0	0	7	0	0	0	23	0	20
9032810040	2780	265	686	71	906	95	2	4	290	15

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
March 92

Metal Forming	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	5	27
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	2	99
210080	0	0	12	461	0	0	0	0	6	286
290030	0	0	0	0	0	0	0	0	2	8
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	4	51	0	0	0	0	21	638
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	1	14	0	0	1	31	2	29
410080	0	0	1	211	0	0	0	0	0	0
490050	4	51	0	0	0	0	0	0	4	29
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	3	106	0	0	0	0	3	98
990030	0	0	0	0	0	0	0	0	1	231
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	4	38	0	0	2	185	0	0
8463100080	0	0	0	0	0	0	0	0	1	6
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	37	0	0	0	0	27	389
900080	0	0	1	7	2	46	5	125	51	2265
9800000002	2	24	3	253	0	0	14	54	49	393
9900000002	45	13	75	67	0	0	30	20	122	113
Month Tot	51	88	105	1244	2	46	52	415	296	4610
Y-T-D Tot	78	2982	357	6685	9	122	63	1064	918	15829
NC YTD Tot	1	682	21	1918	0	0	0	0	34	2452
C&F Month	681	575	377	2286	2	46	303	1383	1494	7894
C&F Y-T-D	1171	3940	1005	11217	9	122	1323	2870	3373	28996
C&F NC YTD*	6	1152	45	4558	0	0	6	378	66	4667
Other Manufacturing Technology										
1000000000	0	323	0	4420	0	0	0	751	0	10633
2000000000	0	94	0	2349	0	0	0	346	0	4349
2710003070	0	7	0	5	0	0	0	43	0	259
8428900010	0	0	117	1170	0	0	0	0	1	9
8431390090	0	111	0	2849	0	0	0	135	0	970
8456100000	0	0	4	126	0	0	0	0	0	0
200000	0	0	0	0	0	0	0	0	1	33
8477106010	0	0	0	0	0	0	0	0	1	87
106070	0	0	13	874	0	0	0	0	4	588
200005	0	0	0	0	0	0	0	0	0	13
200015	0	0	0	0	0	0	0	0	2	247
200030	0	0	0	0	0	0	0	0	2	1379
200060	0	0	0	0	0	0	1	25	1	36
300000	0	0	5	103	0	0	0	0	6	583
400000	0	0	16	135	0	0	0	0	9	81
510010	0	0	0	0	0	0	0	0	115	807
510090	11	97	0	0	0	0	0	0	34	245
590000	2	32	0	0	0	0	5	82	16	243
800000	3	45	32	461	0	0	3	72	59	1877
8479899040	0	0	29	350	0	0	0	0	13	101
908040	0	0	0	332	0	0	0	0	0	165
8537100030	1	15	65	942	0	0	0	0	5	75
9024100000	0	0	0	1351	0	0	0	0	0	218
9031100000	0	0	0	0	0	0	0	0	0	263
300000	0	28	0	55	0	0	0	0	0	19
9032810040	0	0	2970	384	3	17	711	63	4257	412

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
March 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	1	10	0	0	1	10
Denmark	5	23	8	13	13	36
Finland	41	7	18	18	59	24
Greece	2	3	1	139	3	142
Hungary	8	12	0	0	8	12
Iceland	0	0	0	0	0	0
Ireland	5	259	0	0	5	259
Luxembourg	0	0	0	0	0	0
Norway	1	19	0	0	1	19
Poland	0	0	2	3	2	3
Portugal	1	70	0	0	1	70
Romania	0	0	0	0	0	0
Sweden	29	223	20	75	49	298
Turkey	0	0	2	814	2	814
Yugoslavia	0	0	0	0	0	0
Oth Europe	0	0	8	32	8	32
TOTAL	768	5762	469	8019	1237	13780
NORTH AND CENTRAL AMERICA						
Bahamas	0	0	0	0	0	0
Barbados	0	0	1	13	1	13
Belize	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0
Costa Rica	34	282	9	35	43	317
Dominican Rep	9	42	1	3	10	45
El Salvador	7	24	7	141	14	165
Guatemala	16	31	0	0	16	31
Haiti	0	0	0	0	0	0
Honduras	0	0	15	86	15	86
Jamaica	0	0	15	147	15	147
Panama	287	28	4	3	291	32
Trinidad	10	6	0	0	10	6
Oth N & C Am.	4	38	2	16	6	54
TOTAL	2035	12927	976	14570	3011	27497
SOUTH AMERICA						
Argentina	17	146	30	171	47	317
Bolivia	0	0	0	0	0	0
Chile	24	529	15	125	39	654
Colombia	26	96	15	115	41	211
Ecuador	30	49	1	9	31	57
Paraguay	0	0	0	0	0	0
Peru	0	0	3	28	3	28
Uruguay	2	7	0	0	2	7
Oth South Am.	0	0	1	7	1	7
TOTAL	377	2303	274	1791	651	4094
OCEANIA						
New Zealand	2	235	0	0	2	235
Oth Oceania	0	0	0	0	0	0
TOTAL	138	669	20	193	158	862

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
March 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	183	468	9	56	192	524
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	9	60	19	35	28	95
Jordan	0	0	2	53	2	53
Kuwait	10	27	1	182	11	209
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	0	0	3	72	3	72
Pakistan	11	29	5	226	16	255
Philippines	70	51	19	20	89	71
Qatar	0	0	0	0	0	0
Saudi Arabia	18	70	34	1349	52	1418
Sri Lanka	0	0	0	0	0	0
Syria	0	0	8	7	8	7
United Arab Emr	81	35	0	0	81	35
Vietnam	0	0	0	0	0	0
Oth Asia	7	7	0	0	7	7
TOTAL	2347	19949	440	10078	2787	30027
AFRICA						
Algeria	0	0	1	3	1	3
Botswana	0	0	0	0	0	0
Egypt	0	0	2	250	2	250
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	1	78	0	0	1	78
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	12	300	12	300
Niger	0	0	0	0	0	0
Nigeria	0	0	0	0	0	0
South Africa	247	320	3	65	250	385
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	248	398	18	618	266	1016

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS – Metal Cutting Machine Tools – March 92

RELEASED: May 27, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301020	Traveling wire electro-discharge machines	201	15596	104	7608
301050	Electro-discharge machines, n.e.c., NC	42	3710	9	1129
301070	Electro-discharge machines, n.e.c., non-NC	50	711	20	261
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	482	37629	170	13268
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	35	8043	16	4712
100035	Horizontal machining centers, ATC	108	24098	37	8676
100045	Machining centers, n.e.c.	17	4637	4	1043
200010	Unit construction mach. (single station transfer), NC	1	168	1	168
200090	Unit construction mach. (single station transfer), non-NC	5	667	1	129
300010	Multi-station transfer machines, NC	13	16052	0	0
300090	Multi-station transfer machines, non-NC	18	6065	7	1040
8458110010	Horizontal lathes, multiple spindle, NC	73	10978	31	4889
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	486	33046	169	11898
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	103	16503	32	4996
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	11	4093	3	1289
190030	Horizontal engine or toolroom lathes, non-NC	520	4973	194	1720
190050	Automatic bar and/or chucking mach., single spindle, non-NC	33	1446	3	74
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	8	923	2	61
190090	Horizontal lathes, n.e.c., non-NC	22	390	12	265
911060	Vertical turret lathes, multiple spindle, NC	8	1763	4	776
911080	Vertical turret lathes, n.e.c., NC	16	2305	10	1983
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	14	2145	4	1273
991050	Vertical turret lathes, non-NC	10	427	2	88
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	105	4740	29	2472
8459100000	Way-type unit head machines	2	84	0	0
210080	Other drilling machines, NC	34	3264	11	494
290040	Drilling machines, multiple spindle, non-NC	81	2502	0	0
290050	Drilling machines, radial, non-NC	27	322	7	60
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	9	106	6	47
290090	Drilling machines, n.e.c., non-NC	86	3491	12	2154
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	5	949	1	240
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	15	2628	7	1495
310070	Boring-milling machines, n.e.c., NC	1	170	1	170
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	6	363	1	24
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	33	1351	20	1023
400040	Boring machines, vertical, NC	3	675	2	256
400050	Boring machines, vertical, non-NC	18	247	2	162
400070	Boring machines, n.e.c., NC	0	0	0	0
400080	Boring machines, n.e.c., non-NC	25	1809	11	369
510080	Milling machines, knee type, NC	70	1481	21	322
590030	Milling machines, knee type, non-NC	417	3928	178	1345
610080	Milling machines, excluding knee type, n.e.c., NC	36	3645	22	1180
690050	Milling machines, profile, dup., or die sinking, non-NC	3	14	3	14
690070	Milling machines, bed type, non-NC	20	713	1	37
690090	Milling machines, n.e.c., non-NC	34	950	19	433
700020	Threading or tapping machines, n.e.c., NC	104	5673	36	1502
700080	Threading or tapping machines, n.e.c., non-NC	10	166	2	31
8460110080	Flat surface grinding machines, NC	27	1293	10	227
190010	Flat surface grinding mach., recip.-table type, non-NC	241	3759	114	2090
190050	Flat surface grinding machines, n.e.c., non-NC	197	4270	64	691
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	69	18547	25	4882
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	40	1560	8	499
290030	Grinding machines, internal cylindrical, non-NC	21	3331	4	1179
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	166	9079	61	3869
310080	Sharpening machines (tool & cutter grinding), NC	48	1668	18	636
390050	Sharpening machines (tool & cutter grinding), non-NC	238	1879	49	469
400060	Honing or lapping machines, NC	5	356	2	109
400080	Honing or lapping machines, non-NC	40	3998	6	211
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	4	294	1	114
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	252	5914	113	1785
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	0	0	0	0
200010	Shaping or slotting machines, NC	3	115	0	0
200090	Shaping or slotting machines, non-NC	16	1821	5	66
300060	Broaching machines, NC	2	403	1	54
300080	Broaching machines, non-NC	5	4897	1	3196
401020	Gear cutting for bevel gears	0	0	0	0
401030	Gear hobbers	16	5372	4	354
401040	Gear shapers	3	46	0	0
401060	Gear cutting machines, n.e.c.	35	161	13	5
405050	Gear grinding or finishing for bevel gears	2	1010	1	77
405070	Gear grinding or finishing machines, n.e.c.	8	1540	5	871
500050	Sawing or cutting-off machines, NC	18	1776	12	1624
500090	Sawing or cutting-off machines, non-NC	314	5261	77	1176
9000000001	Metal cutting machine tools, n.e.c.	63	4481	17	1596
9800000001	Used or rebuilt machine tools	1756	11096	152	5085
9900000001	Machine tools valued at less than $3,025	242270	20830	70379	6524
	Cutting Total			72369	118562
	Y-T-D Cutting Total	249279	350403		
	NC Y-T-D Cutting Total	2064	225363		

Please see notes on last page
of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - March 92

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	1	86
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	4	216
100025	0	0	0	0	0	0	0	0	7	1874
100035	0	0	0	0	0	0	0	0	8	1556
100045	0	0	0	0	0	0	0	0	2	214
200010	0	0	0	0	1	168	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	3	567
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	1	70	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	9	66	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	1	38
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	1	1320	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	9	1354
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	1	21
290090	0	0	0	0	0	0	0	0	1	7
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	5	532
310070	0	0	0	0	0	0	0	0	1	170
390040	0	0	0	0	1	24	0	0	0	0
390050	0	0	0	0	0	0	0	0	2	152
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	10
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	13	162
610080	0	0	0	0	0	0	0	0	8	481
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	1	35	0	0	1	19
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	1	15	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	8	1845
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	2	710
290050	0	0	0	0	1	14	0	0	16	1402
310080	0	0	0	0	0	0	0	0	5	228
390050	0	0	0	0	5	41	0	0	4	130
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	1	24	22	85	20	495
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	3	344
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	2	165
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	28	271	1	35	11	165
9000000001	0	0	0	0	4	14	3	23	3	598
9800000001	1	103	0	0	32	2001	1	18	31	920
9900000001	0	0	0	0	128	46	116	185	257	315
Month Tot	1	103	10	81	202	2638	145	1736	430	14775
Y-T-D Tot	5	174	89	1835	506	6753	304	2413	1439	63233
NC YTD Tot	0	0	13	1143	17	2557	4	1417	129	34241

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - March 92

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	55	5087	0	0	0	0	0	0
301050	0	0	5	722	0	0	0	0	0	0
301070	0	0	6	87	0	0	0	0	0	0
8457100015	0	0	101	9542	2	80	13	678	0	0
100025	0	0	4	2232	0	0	0	0	0	0
100035	0	0	28	7049	0	0	0	0	0	0
100045	0	0	2	829	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	28	4322	0	0	0	0	0	0
110030	0	0	104	9099	11	660	0	0	0	0
110050	0	0	29	4684	0	0	0	0	0	0
110090	1	823	1	173	0	0	0	0	0	0
190030	0	0	1	57	0	0	11	131	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	2	8	2	144	0	0	0	0	0	0
911060	0	0	4	776	0	0	0	0	0	0
911080	0	0	1	154	1	119	0	0	1	79
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	4	1273	0	0	0	0	0	0
991050	0	0	2	88	0	0	0	0	0	0
995090	1	19	2	229	11	773	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	11	494	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	5	26	0	0	0	0	0	0
290090	0	0	9	2138	0	0	0	0	0	0
310010	0	0	1	240	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	2	162	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	8	87	1	169	0	0	0	0	0	0
510080	0	0	0	0	0	0	3	111	0	0
590030	0	0	0	0	0	0	0	0	81	663
610080	0	0	2	220	0	0	2	69	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	1	37	0	0	0	0	0	0
690090	0	0	7	363	0	0	0	0	0	0
700020	0	0	22	1152	0	0	0	0	0	0
700080	0	0	2	31	0	0	0	0	0	0
8460110080	0	0	1	115	0	0	0	0	0	0
190010	2	40	8	692	0	0	69	862	0	0
190050	1	5	3	89	0	0	0	0	0	0
210080	0	0	8	2130	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	15	222	9	490	0	0	0	0	0	0
310080	0	0	6	19	0	0	0	0	0	0
390050	0	0	26	94	0	0	0	0	0	0
400060	0	0	2	109	0	0	0	0	0	0
400080	0	0	5	202	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	2	86	25	653	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	4	32	1	34	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	2	2	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	3	706	0	0	0	0	0	0
500050	1	19	0	0	0	0	0	0	0	0
500090	3	23	7	312	6	202	0	0	2	8
9000000001	3	13	2	906	0	0	0	0	0	0
9800000001	3	56	26	1066	7	20	0	0	0	0
9900000001	3108	580	6849	1119	2205	199	0	0	0	0
Month Tot	3158	2177	7421	60151	2243	2053	98	1851	84	751
Y-T-D Tot	7990	7923	21264	173470	4546	6670	284	5126	315	3095
NC YTD Tot	12	4315	1230	142587	46	2954	51	2879	1	79

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - March 92

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	14	1341	0	0	0	0	35	1179
301050	0	0	2	278	0	0	0	0	1	42
301070	0	0	0	0	13	163	1	11	0	0
8457100015	0	0	0	0	20	1030	21	1182	9	541
100025	0	0	0	0	1	63	0	0	4	543
100035	0	0	0	0	1	71	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	1	129
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	7	1040	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	3	403	17	669	11	487	23	580
110050	0	0	0	0	1	69	1	173	0	0
110090	0	0	0	0	0	0	0	0	1	293
190030	0	0	10	35	21	284	17	214	125	934
190050	0	0	1	63	0	0	0	0	2	11
190070	0	0	0	0	0	0	1	23	0	0
190090	0	0	0	0	1	10	5	76	2	27
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	6	311	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	2	54	3	33	1	12
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	6	42	0	0	1	18
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	1	6	1	3	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	1	921	1	43
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	13	109	0	0	5	762
400040	0	0	0	0	0	0	0	0	2	256
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	103
510080	0	0	0	0	6	78	2	85	10	47
590030	0	0	0	0	73	269	3	198	8	53
610080	0	0	0	0	1	52	4	174	5	184
690050	0	0	0	0	3	14	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	2	10	1	7	9	53
700020	0	0	0	0	14	350	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	7	57	0	0
190010	0	0	0	0	5	79	0	0	30	417
190050	0	0	1	117	50	406	2	44	6	15
210080	0	0	6	747	0	0	3	160	0	0
290010	1	11	6	444	0	0	1	44	0	0
290030	1	283	1	186	0	0	0	0	0	0
290050	2	574	7	1070	0	0	9	21	2	78
310080	0	0	4	289	0	0	1	6	2	94
390050	0	0	0	0	2	14	11	187	1	4
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	1	9	0	0
900060	0	0	1	114	0	0	0	0	0	0
900080	0	0	0	0	9	102	18	170	16	171
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	1	54	0	0	0	0	0	0
300080	0	0	0	0	0	0	1	3196	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	1	10	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	11	4	0	0
405050	0	0	0	0	0	0	1	77	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	1	52	0	0	0	0	0	0	10	1553
500090	0	0	0	0	11	111	7	41	1	8
9000000001	0	0	0	0	2	42	0	0	0	0
9800000001	2	5	10	536	4	31	28	261	7	68
9900000001	10	25	55	55	46186	3026	81	58	11384	916
Month Tot	17	950	130	6775	46465	7149	260	8240	11705	9133
Y-T-D Tot	215	2358	265	18528	170639	23037	727	18283	40691	17504
NC YTD Tot	2	194	63	8822	172	6058	101	9505	223	8611

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
March 92

RELEASED: May 27, 1992

Metal Forming Machine Tools		TOTAL YTD UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000
8454300010	Die casting machines	107	6926	79	1555
8462100030	Headers and upsetters, including cold headers	9	1646	2	771
100050	Forging or die stamping machines, and hammers, n.e.c.	306	19336	43	16863
210080	Bending, folding, straight. or flat. mach., incl presses, NC	157	10666	60	3212
290030	Press brakes, non-NC	47	1484	15	486
290040	Bending rolls, non-NC	15	696	10	592
290050	Bending, folding, straight., or flat., n.e.c., non-NC	204	9662	62	2039
310080	Shearing machines, NC	5	743	4	257
390050	Shearing machines, non-NC	98	4979	26	481
410080	Punching or notching mach., incl. comb. punch & shear, NC	71	6827	27	2921
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	100	5332	18	1545
910060	Hydraulic presses, NC	3	2062	1	329
910090	Hydraulic presses, non-NC	932	8704	301	2322
990030	Presses, n.e.c., NC	0	0	0	0
990035	Mechanical transfer presses, non-NC	4	8627	1	1984
990045	Mechanical presses, n.e.c., non-NC	26	993	15	438
990060	Presses, n.e.c., non-NC	98	6381	46	1948
8463100080	Draw benches for bars, tubes, profiles, wire or the like	45	4050	10	542
200080	Thread rolling machines	18	809	0	0
300080	Machines for working wire	173	6636	96	2413
900080	Metal forming machine tools, n.e.c.	161	6283	43	1788
9800000002	Used or rebuilt machine tools	376	4684	90	1878
9900000002	Machine tools valued at less than $3,025	3315	1663	1308	559
	Forming Total			2257	44923
	Y-T-D Forming Total	6270	119191		
	NC Y-T-D Forming Total	236	20298		
	Cutting and Forming Totals:				
	Monthly Total			74626	163486
	Y-T-D Total	255549	469594		
	NC Y-T-D Total	2300	245660		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
1000000000	Machine tool parts and accessories	0	130851	0	57388
2000000000	Parts for working rubber or plastics - heading 8477	0	70635	0	23750
2710003070	Quenching or cutting oils	0	106	0	14
8428900010	Industrial robots for lifting, handling, loading or unload	869	9020	144	4057
8431390080	Parts industrial robots, handling and loading - heading 8428	0	18163	0	6956
8456101010	Laser, light or photon beam for working metal, NC	53	9454	18	3263
101020	Laser, light or photon beam for working metal, non-NC	18	2273	10	726
105000	Laser, light or photon beam for other materials	41	1176	6	336
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	1	4	0	0
205000	Ultrasonic processes for working other materials	28	60	12	1
8477103000	Injection molding mach., for manufacturing shoes	32	875	19	75
106010	Injection molding mach., for rubber or oth. thermosetting	249	24672	63	4718
106050	Injection molding mach., for thermoplastics	785	68755	278	30125
200005	Extruders; rubber or other thermosetting mat., single screw	12	955	7	576
200015	Extruders; rubber or thermosetting, other incl. multi. screw	8	584	1	170
200035	Extruders; thermoplastics, single screw, less than 6.4cm	10	227	0	0
200045	Extruders; thermoplastics, single screw, 6.4cm or greater	12	4448	2	340
200055	Extruders; thermoplastics, mutli. screw, less than 6.4cm	21	1174	11	433
200065	Extruders; thermoplastics, multi. screw, 6.4cm or larger	14	5303	4	1225
300000	Blow molding machines	66	18142	31	7041
400000	Vacuum-molding and other thermoforming machines	91	874	20	601
510010	Machines for molding or retreading pneumatic tires	326	4918	264	3783
510090	Machines for molding or otherwise forming inner tubes	10	323	6	82
590000	Machines for molding or otherwise forming n.e.c.	308	13048	97	5599
800000	Machines for working rubber or plastics n.e.c.	1030	29206	456	7278
8479899040	Industrial robots, n.e.c.	421	14569	209	7311
908040	Industrial robot parts	0	8021	0	3280
8537100030	Numerical controls for controlling machine tools	2041	7285	568	3012
9024100000	Machines and appliances for testing metals	0	2452	0	640
9031100000	Machines for balancing mechanical parts	0	1129	0	424
300000	Profile projectors	0	755	0	328
9032810020	Industrial process control instr., hydraulic	29822	434	5136	119
810060	Industrial process control instr., pneumatic	17237	442	5865	177

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
March 92

Metal Forming

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	10	175	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	2	49	0	0	1	5464
210080	0	0	0	0	12	343	0	0	6	771
290030	1	15	0	0	12	402	0	0	0	0
290040	0	0	0	0	1	46	0	0	0	0
290050	0	0	0	0	13	638	0	0	6	270
310080	0	0	0	0	0	0	0	0	0	0
390050	6	138	0	0	2	81	0	0	0	0
410080	0	0	0	0	0	0	0	0	8	314
490050	0	0	0	0	1	12	0	0	5	166
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	21	997	0	0	31	1038
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	0	0	3	72
990060	0	0	0	0	22	1074	2	23	3	224
8463100080	2	106	0	0	0	0	0	0	6	403
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	31	524
900080	0	0	0	0	3	33	0	0	6	813
9800000002	3	83	0	0	61	659	13	772	3	96
9900000002	0	0	0	0	15	13	15	39	47	61
Month Tot	12	341	0	0	175	4523	30	834	156	10215
Y-T-D Tot	24	2869	7	9	522	11666	97	1901	482	21470
NC YTD Tot	2	227	0	0	30	1377	1	18	40	4103
C&F Month	13	444	10	81	377	7161	175	2570	586	24989
C&F Y-T-D	29	3043	96	1844	1028	18419	401	4314	1921	84703
C&F NC YTD	2	227	13	1143	47	3935	5	1435	169	38345

Other Manufacturing Technology

1000000000	0	205	0	139	0	19875	0	651	0	8040
2000000000	0	96	0	29	0	6499	0	1547	0	5694
2710003070	0	0	0	0	0	1	0	0	0	0
8428900010	0	0	0	0	4	238	3	169	1	181
8431390080	0	0	0	7	0	1570	0	64	0	1364
8456101010	0	0	0	0	0	0	0	0	3	303
101020	0	0	0	0	0	0	0	0	10	726
105000	0	0	0	0	1	3	0	0	1	287
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	12	1	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	0	0	3	594	2	277	5	649
106050	0	0	0	0	38	5528	1	423	11	1771
200005	0	0	0	0	0	0	0	0	6	531
200015	0	0	0	0	0	0	0	0	0	0
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	0	0	0	0	0	0	0	0
200055	0	0	0	0	0	0	0	0	4	204
200065	0	0	0	0	0	0	1	414	0	0
300000	0	0	0	0	4	405	18	5189	2	706
400000	0	0	0	0	0	0	0	0	3	20
510010	0	0	0	0	6	466	0	0	1	2201
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	29	1133	20	1278	10	2780
800000	3	10	0	0	63	658	1	38	84	1363
8479899040	0	0	0	0	5	1184	5	990	7	335
908040	0	0	0	0	0	38	0	12	0	543
8537100030	0	0	0	0	1	2	1	14	5	90
9024100000	0	0	0	0	0	101	0	3	0	54
9031100000	0	192	0	0	0	77	0	0	0	53
300000	0	0	0	0	0	0	0	0	0	106
9032810020	0	0	0	0	0	0	0	0	88	8
810060	0	0	0	0	0	0	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
March 92 '

Metal Forming

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	61	55	406	0	0	0	0	0	0
8462100030	0	0	2	771	0	0	0	0	0	0
100050	0	0	35	10902	0	0	0	0	3	22
210080	11	114	24	1649	0	0	0	0	0	0
290030	0	0	2	69	0	0	0	0	0	0
290040	3	20	3	481	0	0	0	0	0	0
290050	4	33	11	550	0	0	0	0	2	9
310080	4	257	0	0	0	0	0	0	0	0
390050	1	6	4	106	0	0	0	0	0	0
410080	0	0	15	2205	0	0	0	0	0	0
490050	2	66	3	936	0	0	0	0	0	0
910060	0	0	1	329	0	0	0	0	0	0
910090	3	13	2	232	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	1	1984	0	0	0	0	0	0
990045	2	7	4	222	0	0	0	0	0	0
990060	4	57	0	0	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	3	473	40	929	0	0	0	0	0	0
900080	0	0	0	0	0	0	0	0	0	0
9800000002	0	0	5	81	0	0	0	0	0	0
9900000002	73	95	183	52	0	0	0	0	73	60
Month Tot	111	1201	390	21904	0	0	0	0	78	91
Y-T-D Tot	246	2879	1059	59125	7	270	0	0	139	724
NC YTD Tot	29	1139	110	10059	0	0	0	0	0	0
C&F Month	3269	3378	7811	82055	2243	2053	98	1851	162	842
C&F Y-T-D	8236	10802	22323	232596	4553	6941	284	5126	454	3820
C&F NC YTD	41	5454	1340	152646	46	2954	51	2879	1	79

Other Manufacturing Technology

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	2367	0	13308	0	141	0	49	0	202
2000000000	0	1085	0	4895	0	527	0	0	0	14
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	0	0	93	1629	0	0	0	0	0	0
8431390080	0	72	0	906	0	0	0	2	0	2
8456101010	2	284	12	2431	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	5	9	0	0	0	0	0	0	14	66
106010	12	224	11	1304	2	86	2	119	0	0
106050	27	1482	178	18834	0	0	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	1	170	0	0	0	0	0	0	0	0
200035	0	0	0	0	0	0	0	0	0	0
200045	1	267	0	0	0	0	0	0	0	0
200055	0	0	2	179	0	0	0	0	0	0
200065	0	0	3	811	0	0	0	0	0	0
300000	1	297	5	396	0	0	0	0	0	0
400000	0	0	1	539	0	0	0	0	0	0
510010	6	832	241	215	0	0	0	0	0	0
510090	0	0	4	50	0	0	0	0	0	0
590000	9	161	0	0	9	15	0	0	0	0
800000	10	554	237	3058	0	0	0	0	1	19
8479899040	1	94	152	3738	0	0	0	0	0	0
908040	0	9	0	1260	0	0	0	0	0	0
8537100030	16	206	487	2577	0	0	0	0	0	0
9024100000	0	0	0	268	0	0	0	0	0	0
9031100000	0	5	0	26	0	4	0	1	0	0
300000	0	0	0	29	0	0	0	0	0	0
9032810020	0	0	0	0	750	4	0	0	0	0
810060	395	50	1065	13	0	0	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
March 92

Metal Forming	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	10	806	2	89	0	0	1	19
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	1	220	1	207
210080	0	0	0	0	0	0	1	245	6	90
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	3	45	0	0	0	0
290050	13	316	2	23	1	13	6	169	4	17
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	9	81	4	67
410080	1	24	1	57	0	0	0	0	2	321
490050	4	51	1	305	2	9	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	1	5	243	36
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	0	0	6	138
990060	1	7	0	0	8	411	2	13	4	138
8463100080	0	0	2	34	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	4	100	7	169	5	23	6	196
900080	0	0	24	901	0	0	0	0	10	41
9800000002	0	0	1	13	0	0	2	168	2	6
9900000002	28	8	48	87	143	38	46	28	637	79
Month Tot	47	407	93	2326	166	775	73	953	926	1355
Y-T-D Tot	114	2323	204	6169	1433	1968	285	3085	1651	4733
NC YTD Tot	1	24	1	57	2	32	6	1543	14	1717
C&F Month	64	1357	223	9101	46631	7924	333	9192	12631	10488
C&F Y-T-D	329	4680	469	24698	172072	25006	1012	21368	42342	22236
C&F NC YTD	3	218	64	8879	174	6090	107	11047	237	10329
Other Manufacturing Technology										
1000000000	0	717	0	3479	0	1528	0	3606	0	3078
2000000000	0	77	0	583	0	206	0	971	0	1527
2710003070	0	0	0	0	0	0	0	0	0	13
8428900010	40	1838	3	2	0	0	0	0	0	0
8431390080	0	399	0	278	0	0	0	1141	0	1152
8456101010	0	0	1	245	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	2	33	2	13
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	17	860	0	0	0	0	9	605
106050	2	398	4	164	8	684	0	0	9	841
200005	0	0	0	0	0	0	0	0	1	45
200015	0	0	0	0	0	0	0	0	0	0
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	0	0	0	0	1	73	0	0
200055	5	49	0	0	0	0	0	0	0	0
200065	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	1	47	0	0	0	0
400000	0	0	0	0	9	31	7	11	0	0
510010	0	0	0	0	0	0	10	69	0	0
510090	0	0	0	0	1	4	1	28	0	0
590000	0	0	0	0	1	2	5	191	14	39
800000	0	0	2	312	8	476	28	340	19	449
8479899040	6	311	0	0	2	13	1	31	28	615
908040	0	124	0	0	0	0	0	236	0	1058
8537100030	34	7	2	48	20	20	2	47	0	0
9024100000	0	22	0	76	0	0	0	105	0	10
9031100000	0	0	0	13	0	0	0	32	0	21
300000	0	0	0	47	0	0	0	146	0	0
9032810020	0	0	461	8	0	0	800	5	3037	95
810060	0	0	5	1	0	0	15	5	4385	108

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
March 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	197	2324	0	0	197	2324
Bulgaria	0	0	0	0	0	0
Czechoslovakia	31	688	0	0	31	688
Denmark	59	219	13	140	72	359
Finland	3	79	6	338	9	417
Hungary	1	3	0	0	1	3
Ireland	1	16	0	0	1	16
Luxembourg	3	11	12	7	15	18
Netherlands	154	1199	11	53	165	1252
Norway	0	0	0	0	0	0
Poland	10	222	0	0	10	222
Portugal	0	0	11	162	11	162
Romania	3	91	0	0	3	91
USSR	0	0	0	0	0	0
Yugoslavia	1	7	1	207	2	214
Oth Europe	3	39	0	0	3	39
TOTAL	4691	40404	654	17275	5345	57679
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	1	1	735	156	736	158
Oth N & C Am.	1	8	0	0	1	8
TOTAL	204	2647	910	4679	1114	7326
SOUTH AMERICA						
Argentina	0	0	0	0	0	0
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	11	22	0	0	11	22
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	21	103	0	0	21	103
OCEANIA						
Australia	2	193	6	196	8	389
New Zealand	0	0	25	5	25	5
Oth Oceania	0	0	0	0	0	0
TOTAL	2	193	31	201	33	394

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
March 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	11155	1453	104	64	11259	1518
Hong Kong	0	0	0	0	0	0
India	2	11	0	0	2	11
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	8	747	0	0	8	747
Malaysia	0	0	1	7	1	7
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	59	1799	0	0	59	1799
Oth Asia	0	0	0	0	0	0
TOTAL	67451	75215	661	22750	68112	97965
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	1	19	1	19
Swaziland	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	0	0	1	19	1	19

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. – Not elsewhere classified.

U.S. EXPORTS

Metal Cutting Machine Tools - January 92 - March 92

RELEASED: May 27, 1992

		TOTAL YTD	
		UNITS	$000
8456300000	Electro-discharge machines	38	2526
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	19	1649
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	6	1017
100035	Horizontal machining centers, ATC	11	3219
100045	Machining centers, n.e.c.	51	5006
200010	Unit construction mach. (single station transfer), NC	1	958
200090	Unit construction mach. (single station transfer), non-NC	1	97
300010	Multi-station transfer machines, NC	1	589
300090	Multi-station transfer machines, non-NC	23	8374
8458110010	Horizontal lathes, multiple spindle, NC	18	1598
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	21	1948
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	14	3768
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	7	2079
190030	Horizontal engine or toolroom lathes, non-NC	8	167
190050	Automatic bar and/or chucking mach., single spindle, non-NC	3	153
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	10	610
190090	Horizontal lathes, n.e.c., non-NC	68	966
911060	Vertical turret lathes, multiple spindle, NC	0	0
911080	Vertical turret lathes, n.e.c., NC	1	118
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	10	2261
991050	Vertical turret lathes, non-NC	8	290
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	22	3248
8459100000	Way-type unit head machines	5	589
210080	Other drilling machines, NC	31	3631
290040	Drilling machines, multiple spindle, non-NC	3	83
290050	Drilling machines, radial, non-NC	7	69
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	3	111
290090	Drilling machines, n.e.c., non-NC	223	1424
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	0	0
310070	Boring-milling machines, n.e.c., NC	10	692
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	13	229
400040	Boring machines, vertical, NC	0	0
400050	Boring machines, vertical, non-NC	12	408
400070	Boring machines, n.e.c., NC	1	104
400080	Boring machines, n.e.c., non-NC	3	84
510080	Milling machines, knee type, NC	1	1350
590030	Milling machines, knee type, non-NC	59	2396
610080	Milling machines, excluding knee type, n.e.c., NC	20	8908
690050	Milling machines, profile, dup., or die sinking, non-NC	3	220
690070	Milling machines, bed type, non-NC	1	25
690090	Milling machines, n.e.c., non-NC	37	3032
700020	Threading or tapping machines, n.e.c., NC	4	397
700080	Threading or tapping machines, n.e.c., non-NC	62	878
8460110080	Flat surface grinding machines, NC	22	984
190010	Flat surface grinding mach., recip.-table type, non-NC	6	73
190050	Flat surface grinding machines, n.e.c., non-NC	21	2369
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	14	3313
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	5	1763
290030	Grinding machines, internal cylindrical, non-NC	36	2155
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	66	4132
310080	Sharpening machines (tool & cutter grinding), NC	17	990
390050	Sharpening machines (tool & cutter grinding), non-NC	152	1173
400060	Honing or lapping machines, NC	0	0
400080	Honing or lapping machines, non-NC	127	1513
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	5	1817
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	371	4385
8461100060	Planing machines, NC	1	1722
100080	Planing machines, non-NC	37	1451
200010	Shaping or slotting machines, NC	13	451
200090	Shaping or slotting machines, non-NC	5	157
300060	Broaching machines, NC	2	38
300080	Broaching machines, non-NC	6	136
401050	Gear hobbers	6	730
401070	Gear shapers	8	440
401090	Gear cutting machines, n.e.c.	22	5986
405060	Gear grinding or finishing machines	5	987
500050	Sawing or cutting-off machines, NC	18	1283
500090	Sawing or cutting-off machines, non-NC	241	3329
9000000001	Metal cutting machine tools, n.e.c.	285	5568
9800000001	Used or rebuilt machine tools	1734	17508
9900000001	Machine tools valued at less than $3,025	11483	5036
	Y-T-D Cutting Total	15547	134765
	NC Y-T-D Cutting Total*	390	53919

Please see notes on last page
of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 92 - March 92

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	2	75	2	148	2	260
8457100015	0	0	0	0	0	0	1	213	2	361
100025	0	0	0	0	0	0	0	0	5	806
100035	0	0	0	0	0	0	0	0	1	221
100045	1	90	0	0	0	0	0	0	9	1314
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	1	589
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	10	866
110030	0	0	0	0	0	0	0	0	2	222
110050	0	0	0	0	0	0	0	0	9	1760
110090	0	0	0	0	0	0	0	0	6	1375
190030	0	0	0	0	0	0	0	0	2	14
190050	0	0	0	0	0	0	0	0	2	11
190070	0	0	0	0	0	0	0	0	2	258
190090	9	114	0	0	0	0	0	0	10	164
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	1	171
991050	0	0	0	0	0	0	0	0	4	112
995090	0	0	0	0	0	0	0	0	1	18
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	10	1603
290040	0	0	0	0	0	0	0	0	1	49
290050	0	0	0	0	0	0	0	0	5	47
290070	0	0	0	0	0	0	0	0	2	39
290090	0	0	0	0	0	0	0	0	89	632
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	3	85
400070	0	0	0	0	0	0	1	104	0	0
400080	0	0	0	0	0	0	0	0	2	58
510080	0	0	0	0	0	0	1	1350	0	0
590030	12	487	0	0	0	0	0	0	7	207
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	4	81
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	3	171	1	15	17	166
8460110080	0	0	0	0	0	0	0	0	1	32
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	497	0	0	0	0	3	827
290010	0	0	0	0	0	0	1	660	3	1078
290030	0	0	0	0	0	0	24	915	0	0
290050	2	78	0	0	0	0	0	0	5	54
310080	2	64	0	0	0	0	0	0	0	0
390050	4	35	0	0	0	0	1	7	45	340
400060	0	0	0	0	0	0	0	0	0	0
400080	1	5	0	0	0	0	0	0	8	110
900060	0	0	0	0	0	0	1	50	4	1768
900080	3	29	0	0	0	0	0	0	61	577
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	10	132	1	128
200090	0	0	0	0	0	0	0	0	2	26
300060	0	0	0	0	0	0	0	0	2	38
300080	0	0	0	0	0	0	0	0	1	98
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	1	64	0	0
405060	0	0	0	0	0	0	0	0	1	62
500050	0	0	0	0	0	0	0	0	10	776
500090	0	0	0	0	0	0	0	0	56	631
9000000001	2	20	0	0	0	0	0	0	49	704
9800000001	28	196	2	9	1	4	8	65	305	3503
9900000001	188	147	0	0	33	58	48	34	635	649
Y-T-D Tot	252	1265	3	505	39	308	100	3756	1401	22888
NC YTD Tot*	3	155	1	497	2	75	16	1996	85	13286

Please see notes on last page of the metal forming section.

U.S. EXPORTS

Metal Cutting Machine Tools - January 92 - March 92

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	2	244	13	848	0	0	0	0
8457100015	13	596	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	2	64	0	0	2	170	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	1	523	0	0	0	0	1	4415
8458110010	0	0	0	0	0	0	0	0	0	0
110030	1	120	4	439	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	1	90	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	1	118	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	2	1290	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	4	2646	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	1	90	0	0	0	0
210080	2	110	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	1	6	1	3	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	3	135
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	1	35	0	0	0	0	0	0
610080	2	3154	1	96	1	267	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	38	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	2	214	0	0	0	0
8460110080	0	0	0	0	2	54	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	1	124	0	0
210080	0	0	0	0	2	549	2	446	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	1	75	0	0	3	95	7	1049	0	0
290050	10	1537	0	0	2	35	6	626	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	4	29	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	9	213	8	48	24	336	3	33	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	7	104	13	146	41	652	4	25	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	2	8	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	1	11	0	0	0	0
401050	0	0	0	0	1	28	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	9	1183	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	2	31	46	521	2	51	3	29
9000000001	5	107	1	6	2	19	0	0	0	0
9800000001	48	544	11	32	22	250	146	360	0	0
9900000001	159	142	238	50	536	222	19	15	5	3
Y-T-D Tot	274	11885	286	1903	708	4402	190	2730	12	4581
NC YTD Tot*	22	5334	8	898	21	1900	2	446	3	135

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 92 - March 92

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	2	125	1	60	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	1	211	0	0	0	0
100035	1	191	0	0	7	1837	0	0	0	0
100045	0	0	0	0	22	1054	0	0	7	479
200010	1	958	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	1	97
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	6	713	0	0	0	0	2	1519
8458110010	0	0	0	0	0	0	0	0	4	383
110030	0	0	1	144	2	136	0	0	1	84
110050	0	0	0	0	4	1739	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	2	113	0	0	0	0	1	14
190050	0	0	0	0	0	0	0	0	1	142
190070	0	0	6	150	0	0	0	0	0	0
190090	1	230	1	5	0	0	0	0	30	271
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	3	493	0	0	0	0	2	111
991050	0	0	0	0	0	0	0	0	4	178
995090	0	0	3	39	0	0	0	0	10	446
8459100000	0	0	0	0	0	0	0	0	1	120
210080	0	0	0	0	0	0	0	0	9	518
290040	0	0	0	0	0	0	0	0	2	34
290050	0	0	0	0	0	0	0	0	1	6
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	83	371	18	86	0	0	12	222
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	3	257
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	13	229
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	4	63
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	27
510080	0	0	0	0	0	0	0	0	0	0
590030	1	20	4	433	1	50	0	0	1	33
610080	1	183	0	0	1	65	0	0	3	1238
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	1	25
690090	0	0	5	55	0	0	0	0	13	165
700020	0	0	1	327	0	0	0	0	1	14
700080	0	0	0	0	0	0	0	0	15	95
8460110080	1	133	1	77	0	0	0	0	2	182
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	3	941	5	300	3	311	3	357
210080	0	0	1	126	0	0	0	0	3	623
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	1	20
290050	1	104	0	0	0	0	0	0	19	721
310080	0	0	5	689	1	23	0	0	0	0
390050	0	0	54	354	15	107	0	0	16	152
400060	0	0	0	0	0	0	0	0	0	0
400080	7	68	2	15	2	21	0	0	3	30
900060	0	0	0	0	0	0	0	0	0	0
900080	10	118	25	340	26	408	0	0	52	659
8461100060	0	0	0	0	1	1722	0	0	0	0
100080	0	0	19	1202	0	0	0	0	1	21
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	1	119
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	1	11	0	0	0	0
401050	0	0	0	0	0	0	0	0	4	140
401070	0	0	0	0	8	440	0	0	0	0
401090	2	1298	3	2209	2	891	0	0	4	301
405060	0	0	2	820	1	92	0	0	1	13
500050	0	0	0	0	0	0	0	0	4	212
500090	1	13	29	525	6	133	4	19	31	545
9000000001	0	0	101	2112	11	142	0	0	19	424
9800000001	62	282	14	1182	122	4147	0	0	689	2996
9900000001	153	122	596	147	201	170	151	103	2147	823
Y-T-D Tot	242	3721	972	13706	459	13844	158	432	3143	15107
NC YTD Tot"	4	1465	33	2443	40	6847	0	0	39	4101

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 92 - March 92

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	8	425	0	0	0	0	5	305	1	37
8457100015	1	151	2	329	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	1	463	0	0
100045	0	0	0	0	0	0	1	1426	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	1	269
110090	0	0	0	0	0	0	0	0	1	704
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	1	112	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	1	150
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	2	220
210080	0	0	0	0	0	0	0	0	8	509
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	3	108	0	0	0	0	0	0	2	53
610080	0	0	3	239	0	0	0	0	5	3405
690050	0	0	0	0	0	0	3	220	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	1	12
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	1	100	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	8	300	0	0	0	0	0	0	9	322
310080	0	0	0	0	0	0	0	0	2	66
390050	2	16	4	29	0	0	1	5	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	8	61	1	7	1	9	9	85	2	19
900060	0	0	0	0	0	0	0	0	0	0
900080	4	31	5	58	1	10	1	10	2	20
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	2	27	0	0
200010	1	18	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	14	107	7	182	1	12	0	0	4	22
9000000001	11	104	1	23	2	27	8	93	17	116
9800000001	1	5	13	1246	4	23	2	9	6	136
9900000001	85	81	866	420	141	49	130	107	425	177
Y-T-D Tot	146	1406	903	2643	150	130	164	2851	489	6237
NC YTD Tot*	12	637	5	568	0	0	8	2294	19	5141

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 92 - March 92

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	1	506	0	0	0	0	0	0
100045	1	42	0	0	0	0	0	0	6	366
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	1	100	0	0	0	0	12	1105
8458110010	0	0	0	0	0	0	1	125	3	223
110030	1	60	5	344	0	0	1	116	3	285
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	3	27
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	17	182
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	1	48	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	3	62	0	0	0	0	1	37
8459100000	0	0	0	0	0	0	0	0	1	159
210080	0	0	2	891	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	1	17
290070	0	0	0	0	0	0	0	0	1	72
290090	0	0	0	0	0	0	2	27	17	78
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	1	192	0	0	1	50	2	59
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	4	233	1	26
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	1	20	0	0	0	0	26	950
610080	0	0	0	0	0	0	0	0	3	261
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	2	73	12	2622
700020	0	0	1	31	0	0	0	0	1	25
700080	0	0	2	11	0	0	11	109	11	97
8460110080	1	21	6	223	0	0	0	0	8	262
190010	0	0	0	0	0	0	0	0	5	61
190050	0	0	0	0	0	0	0	0	6	337
210080	0	0	1	146	0	0	0	0	0	0
290010	0	0	1	25	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	4	353
310080	0	0	2	40	0	0	2	41	3	67
390050	0	0	2	11	0	0	0	0	4	89
400060	0	0	0	0	0	0	0	0	0	0
400080	19	226	1	16	0	0	0	0	19	209
900060	0	0	0	0	0	0	0	0	0	0
900080	4	42	23	221	0	0	61	630	28	306
8461100060	0	0	0	0	0	0	0	0	0	0
100080	2	33	1	33	0	0	0	0	10	127
200010	1	173	0	0	0	0	0	0	0	0
200090	0	0	2	11	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	3	16	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	1	562
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	1	41	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	1	173	1	75	0	0	0	0	2	47
500090	0	0	9	109	0	0	0	0	26	400
9000000001	0	0	25	376	0	0	5	68	26	1227
9800000001	35	105	47	912	0	0	4	29	164	1473
9900000001	1028	81	507	161	0	0	1164	219	2028	1056
Y-T-D Tot	1093	957	648	4532	0	0	1260	1806	2455	13167
NC YTD Tot*	5	470	24	2641	0	0	6	378	32	2215

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92 - March 92

RELEASED: May 27, 1992

Metal Forming Machine Tools		TOTAL YTD UNITS	TOTAL YTD $000
8454300010	Die casting machines	122	1493
8462100030	Headers and upsetters, including cold headers	5	3588
100050	Forging or die stamping machines, and hammers, n.e.c.	44	4093
210080	Bending, folding, straight. or flat. mach., incl presses, NC	111	8806
290030	Press brakes, non-NC	17	221
290040	Bending rolls, non-NC	20	786
290050	Bending, folding, straight., or flat., n.e.c., non-NC	323	11407
310080	Shearing machines, NC	29	1869
390050	Shearing machines, non-NC	82	1660
410080	Punching or notching mach., incl. comb. punch & shear, NC	36	6010
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	140	4082
910060	Hydraulic presses, NC	3	171
910090	Hydraulic presses, non-NC	95	2960
990030	Presses, n.e.c., NC	43	3364
990040	Presses, mechanical, non-NC	14	1467
990060	Presses, n.e.c., non-NC	151	12800
8463100080	Draw benches for bars, tubes, profiles, wire or the like	54	1714
200080	Thread rolling machines	10	215
300080	Machines for working wire	179	4481
900080	Metal forming machine tools, n.e.c.	500	24224
9800000002	Used or rebuilt machine tools	751	21080
9900000002	Machine tools valued at less than $3,025	3327	2756
	Y-T-D Forming Total	6056	119246
	NC Y-T-D Forming Total	222	20220
	Cutting and Forming Totals:		
	Y-T-D Total	21603	254011
	NC Y-T-D Total*	612	74139

Other Manufacturing Technology		TOTAL YTD UNITS	TOTAL YTD $000
1000000000	Machine tool parts and accessories	0	184987
2000000000	Parts for working rubber or plastics - heading 8477	0	62646
2710003070	Quenching or cutting oils	0	2018
8428900010	Industrial robots for lifting, handling, loading or unload	453	5002
8431390090	Parts industrial robots, handling and loading - heading 8428	0	25389
8456100000	Laser, light or photon beam for working any material	97	4850
200000	Ultrasonic process for working any material	6	180
8477106010	Injection molding mach., for rubber or oth. thermosetting	55	4543
106070	Injection molding machines, for thermoplastics	170	18427
200005	Extruders; rubber or other thermosetting mat., single screw	10	1380
200015	Extruders; rubber or thermosetting, other incl. multi. screw	30	2686
200030	Extruders; thermoplastics, single screw	44	4940
200060	Extruders; thermoplastics, other incl. multi. screw	25	2861
300000	Blow molding machines	183	16637
400000	Vacuum-molding and other thermoforming machines	376	4310
510010	Machines for molding or retreading pneumatic tires	1533	8643
510090	Machines for molding or otherwise forming inner tubes	302	1302
590000	Machines for molding or otherwise forming n.e.c.	383	5941
800000	Machines for working rubber or plastics n.e.c.	1014	26951
8479899040	Industrial robots, n.e.c.	1433	15028
908040	Industrial robot parts	0	7859
8537100030	Numerical controls for controlling machine tools	438	6048
9024100000	Machines and appliances for testing metals	0	14769
9031100000	Machines for balancing mechanical parts	0	7508
300000	Profile projectors	0	883
9032810040	Industrial process control instr., hydraulic or pneumatic	112379	9641

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 92 - March 92

Metal Forming	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	14	159	38	412	0	0	1	40	3	301
8462100030	0	0	0	0	1	980	2	1265	1	83
100050	0	0	0	0	0	0	0	0	4	1008
210080	0	0	0	0	3	120	2	80	11	552
290030	0	0	0	0	0	0	0	0	4	54
290040	0	0	0	0	0	0	0	0	7	145
290050	3	24	0	0	136	3886	2	43	45	923
310080	1	59	0	0	0	0	0	0	6	569
390050	0	0	0	0	0	0	0	0	22	436
410080	0	0	0	0	0	0	0	0	9	1556
490050	3	99	0	0	3	318	0	0	42	708
910060	0	0	0	0	0	0	0	0	1	30
910090	0	0	1	6	1	54	0	0	7	489
990030	0	0	0	0	0	0	0	0	2	149
990040	0	0	0	0	0	0	1	161	2	41
990060	0	0	0	0	1	15	1	19	10	187
8463100080	1	23	0	0	0	0	0	0	3	156
200080	0	0	0	0	0	0	0	0	0	0
300080	2	71	0	0	0	0	6	29	7	178
900080	3	27	4	100	3	1411	10	257	31	431
9800000002	2	31	0	0	0	0	1	27	117	7975
9900000002	31	34	0	0	36	35	166	140	549	461
Y-T-D Tot	60	527	43	519	184	6818	192	2062	883	16431
NC YTD Tot	1	59	0	0	3	120	2	80	29	2856
C&F YTD	312	1792	46	1024	223	7126	292	5819	2284	39319
C&F NC YTD*	4	213	1	497	5	195	18	2077	114	16142

Other Manufacturing Technology

	Australia Units	Australia $000	Austria Units	Austria $000	Belgium Units	Belgium $000	Brazil Units	Brazil $000	Canada Units	Canada $000
1000000000	0	4327	0	569	0	1987	0	2650	0	33204
2000000000	0	782	0	196	0	986	0	732	0	16060
2710003070	0	49	0	0	0	125	0	3	0	295
8428900010	8	75	0	0	1	15	0	0	39	351
8431390090	0	2003	0	4	0	258	0	20	0	2422
8456100000	3	60	0	0	0	0	0	0	9	1191
200000	0	0	0	0	0	0	0	0	2	76
8477106010	0	0	0	0	0	0	0	0	5	312
106070	0	0	0	0	0	0	21	3687	26	2450
200005	0	0	0	0	0	0	0	0	4	135
200015	0	0	0	0	0	0	0	0	20	1309
200030	1	200	2	61	1	31	2	46	3	139
200060	0	0	0	0	0	0	0	0	3	77
300000	0	0	0	0	8	69	13	4294	5	2039
400000	0	0	0	0	0	0	0	0	3	111
510010	22	149	0	0	0	0	7	196	199	4581
510090	0	0	0	0	0	0	2	50	0	0
590000	1	14	0	0	4	328	2	30	12	530
800000	8	102	0	0	1	4	10	572	210	7950
8479899040	3	286	5	42	5	148	1	4	731	5559
908040	0	75	0	0	0	28	0	5	0	2450
8537100030	0	0	3	41	10	147	23	298	36	453
9024100000	0	75	0	33	0	123	0	222	0	1423
9031100000	0	50	0	0	0	0	0	38	0	4622
300000	0	0	0	0	0	0	0	7	0	59
9032810040	2764	234	1037	171	1458	127	76	20	6204	690

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8465300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 92 - March 92

Metal Forming

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	9	101	2	40	11	117	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	7	400	0	0	0	0	0	0
210080	13	1056	2	69	2	120	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	4	225	11	207	1	86	4	43
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	4	57	0	0	0	0
410080	1	108	1	250	2	201	0	0	0	0
490050	0	0	0	0	5	188	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	3	16	2	48	0	0	8	277
990030	0	0	0	0	1	159	0	0	0	0
990040	1	53	0	0	2	20	0	0	0	0
990060	0	0	0	0	20	5857	1	25	0	0
8463100080	0	0	0	0	16	286	0	0	0	0
200080	0	0	8	199	0	0	0	0	0	0
300080	0	0	9	189	21	467	0	0	0	0
900080	0	0	20	3416	23	1102	3	74	0	0
9800000002	1	20	4	714	11	116	2	42	1	270
9900000002	8	16	80	72	170	140	41	27	0	0
Y-T-D Tot	24	1252	147	5651	292	9007	59	372	13	590
NC YTD Tot	14	1163	3	319	5	479	0	0	0	0
C&F YTD	298	13137	433	7554	1000	13409	249	3102	25	5172
C&F NC YTD*	36	6497	11	1217	26	2379	2	446	3	135

Other Manufacturing Technology

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	2572	0	5953	0	18020	0	1693	0	398
2000000000	0	863	0	1808	0	5111	0	333	0	89
2710003070	0	0	0	28	0	86	0	42	0	212
8428900010	0	0	45	447	1	44	0	0	0	0
8431390090	0	544	0	1720	0	265	0	128	0	1248
8456100000	0	0	0	0	4	257	0	0	0	0
200000	0	0	0	0	0	0	1	20	0	0
8477106010	1	38	0	0	0	0	0	0	0	0
106070	0	0	5	328	50	4873	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	1	30	0	0	0	0
200030	2	1619	0	0	1	23	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	3	338	10	327	0	0	0	0
400000	0	0	35	11	0	0	0	0	0	0
510010	2	150	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	9	87	21	561	3	36	5	105
800000	7	1485	1	21	82	83	1	38	2	18
8479899040	1	47	216	1617	89	1073	0	0	0	0
908040	0	0	0	465	0	1065	0	0	0	3
8537100030	33	326	39	492	28	382	1	16	0	0
9024100000	0	158	0	376	0	567	0	66	0	33
9031100000	0	103	0	6	0	33	0	31	0	0
3[illegible]00	0	143	0	9	0	68	0	15	0	0
9032810040	328	16	4229	334	12364	855	316	38	80	4

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8465300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS

Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology

January 92 - March 92

Metal Forming

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	1	7	0	0	9	87
8462100030	0	0	1	1260	0	0	0	0	0	0
100050	3	303	2	142	9	1121	0	0	9	521
210080	1	25	3	132	2	2015	0	0	25	1746
290030	0	0	0	0	0	0	0	0	10	144
290040	0	0	0	0	0	0	0	0	10	505
290050	8	187	9	1130	12	1185	1	84	40	2218
310080	0	0	1	60	0	0	0	0	9	528
390050	1	4	2	27	1	56	0	0	34	702
410080	1	85	0	0	1	181	0	0	5	902
490050	3	298	15	916	7	76	0	0	24	395
910060	0	0	0	0	0	0	0	0	1	58
910090	1	64	0	0	2	27	1	18	46	1429
990030	1	44	2	438	15	923	7	455	3	23
990040	0	0	1	141	2	112	0	0	2	101
990060	2	50	11	1351	1	22	2	209	73	3627
8463100080	0	0	2	50	0	0	0	0	11	178
200080	0	0	0	0	0	0	0	0	1	9
300080	0	0	11	845	1	30	2	17	33	1041
900080	2	10	56	1156	28	2550	0	0	41	433
9800000002	3	111	9	174	62	1117	2	8	326	6287
9900000002	133	81	347	181	84	72	20	17	724	743
Y-T-D Tot	159	1262	472	8002	228	9493	35	808	1436	21677
NC YTD Tot	3	154	6	630	18	3119	7	455	43	3256
C&F YTD	401	4983	1444	21707	687	23338	193	1240	4579	36784
C&F NC YTD*	7	1619	39	3072	58	9966	7	455	82	7357

Other Manufacturing Technology

1000000000	0	5724	0	26289	0	9182	0	1314	0	12385
2000000000	0	963	0	4004	0	2344	0	762	0	5970
2710003070	0	4	0	141	0	68	0	5	0	35
8428900010	76	748	27	51	8	80	1	3	1	9
8431390090	0	98	0	376	0	954	0	0	0	3641
8456100000	3	278	7	509	8	365	0	0	1	64
200000	2	51	0	0	0	0	0	0	0	0
8477106010	3	193	0	0	0	0	0	0	30	2959
106070	0	0	7	1055	0	0	5	215	15	1196
200005	0	0	0	0	0	0	0	0	3	1129
200015	2	122	0	0	0	0	0	0	4	928
200030	1	136	0	0	0	0	3	70	16	732
200060	0	0	0	0	1	1585	0	0	15	1055
300000	42	1067	0	0	2	1955	3	480	24	3116
400000	0	0	101	585	14	114	0	0	56	709
510010	0	13	0	0	12	279	19	10	17	167
510090	0	0	2	14	0	0	0	0	16	152
590000	9	163	27	643	1	14	26	13	121	698
800000	3	19	26	1506	47	1355	2	217	291	6269
8479899040	29	262	40	532	6	39	1	8	147	1912
908040	0	84	0	1701	0	46	0	0	0	488
8537100030	14	230	24	384	10	123	1	12	9	112
9024100000	0	168	0	3223	0	603	0	11	0	313
9031100000	0	12	0	183	0	742	0	3	0	508
300000	0	49	0	166	0	66	0	0	0	29
9032810040	6102	775	11541	839	13435	730	86	13	2323	286

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8465300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 92 - March 92

Metal Forming	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	4	21	1	12	1	13	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	2	157	1	103	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	11	495
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	3	136
290050	2	27	0	0	0	0	3	51	4	93
310080	0	0	1	58	0	0	0	0	0	0
390050	0	0	2	28	0	0	0	0	0	0
410080	2	175	0	0	0	0	2	346	6	746
490050	3	54	5	52	0	0	0	0	3	25
910060	0	0	0	0	0	0	0	0	0	0
910090	6	59	1	21	0	0	0	0	0	0
990030	0	0	0	0	0	0	10	657	0	0
990040	0	0	0	0	0	0	0	0	1	68
990060	0	0	12	314	0	0	2	70	2	320
8463100080	0	0	0	0	0	0	4	100	0	0
200080	0	0	0	0	0	0	0	0	1	8
300080	0	0	4	425	11	120	3	65	10	169
900080	9	143	1	12	4	359	0	0	29	683
9800000002	0	0	10	519	1	6	6	8	2	1175
9900000002	36	35	78	72	0	0	105	96	0	0
Y-T-D Tot	64	672	116	1614	17	498	135	1392	72	3917
NC YTD Tot	2	175	1	58	0	0	12	1003	17	1241
C&F YTD	210	2078	1019	4257	167	629	299	4243	561	10153
C&F NC YTD*	14	812	6	626	0	0	20	3297	36	6381
Other Manufacturing Technology										
1000000000	0	2749	0	2549	0	1374	0	1824	0	3370
2000000000	0	1518	0	1142	0	369	0	505	0	412
2710003070	0	42	0	89	0	4	0	4	0	162
8428900010	10	105	0	0	32	320	0	0	4	88
8431390090	0	229	0	140	0	81	0	0	0	380
8456100000	9	545	2	300	0	0	5	218	28	659
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	1	77	0	0
106070	2	125	0	0	0	0	1	50	2	140
200005	0	0	0	0	0	0	0	0	3	103
200015	0	0	0	0	0	0	0	0	1	51
200030	0	0	0	0	1	33	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	3	6	0	0	0	0	0	0	0	0
400000	0	0	25	211	0	0	0	0	0	0
510010	394	491	1	7	0	0	0	0	0	0
510090	0	0	0	0	0	0	18	13	0	0
590000	9	160	0	0	11	79	0	0	30	950
800000	9	119	93	956	0	0	0	0	2	3
8479899040	8	47	9	1519	1	315	41	425	2	35
908040	0	6	0	40	0	16	0	229	0	0
8537100030	10	145	4	57	1	12	0	0	3	42
9024100000	0	75	0	1250	0	224	0	54	0	1224
9031100000	0	24	0	96	0	34	0	0	0	160
300000	0	0	0	82	0	0	0	37	0	33
9032810040	12230	1202	3204	296	5720	368	192	47	1557	82

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8465300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 92 - March 92

Metal Forming

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	2	8	16	118	0	0	2	9	8	48
8462100030	0	0	0	0	0	0	0	0	0	0
100050	1	33	1	40	0	0	0	0	5	264
210080	0	0	15	1245	0	0	0	0	21	1152
290030	0	0	0	0	0	0	0	0	3	23
290040	0	0	0	0	0	0	0	0	0	0
290050	2	51	8	139	0	0	0	0	28	806
310080	0	0	3	106	0	0	0	0	8	488
390050	0	0	11	258	0	0	1	31	4	63
410080	1	682	3	567	0	0	0	0	2	213
490050	9	690	7	60	0	0	0	0	11	203
910060	0	0	0	0	0	0	0	0	1	84
910090	2	71	4	140	0	0	1	22	9	219
990030	0	0	0	0	0	0	0	0	2	515
990040	0	0	1	741	0	0	0	0	1	30
990060	0	0	7	123	0	0	2	185	4	426
8463100080	0	0	1	6	0	0	1	34	15	882
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	4	92	6	66	0	0	49	678
900080	3	1375	72	2295	2	46	5	125	151	8217
9800000002	5	52	8	612	1	10	21	638	156	1168
9900000002	53	20	196	143	0	0	30	20	440	350
Y-T-D Tot	78	2982	357	6685	9	122	63	1064	918	15829
NC YTD Tot	1	682	21	1918	0	0	0	0	34	2452
C&F YTD	1171	3940	1005	11217	9	122	1323	2870	3373	28996
C&F NC YTD*	6	1152	45	4558	0	0	6	378	66	4667

Other Manufacturing Technology

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	690	0	11881	0	223	0	2653	0	31409
2000000000	0	2324	0	4068	0	0	0	1342	0	9962
2710003070	0	7	0	38	0	0	0	86	0	495
8428900010	0	0	153	1556	0	0	0	0	47	1110
8431390090	0	737	0	3893	0	0	0	454	0	5795
8456100000	0	0	13	319	0	0	0	0	5	86
200000	0	0	0	0	0	0	0	0	1	33
8477106010	0	0	4	267	0	0	2	77	9	619
106070	0	0	18	1162	0	0	4	365	14	2781
200005	0	0	0	0	0	0	0	0	0	13
200015	0	0	0	0	0	0	0	0	2	247
200030	0	0	2	48	0	0	3	230	6	1575
200060	0	0	0	0	0	0	4	85	2	59
300000	0	0	25	1128	0	0	21	390	24	1428
400000	1	9	20	189	0	0	0	0	121	2371
510010	0	0	20	5	0	0	3	14	837	2582
510090	213	624	0	0	0	0	1	45	50	404
590000	31	467	17	409	0	0	5	82	39	572
800000	3	45	56	1554	0	0	4	84	156	4550
8479899040	0	0	52	556	0	0	2	9	44	592
908040	0	0	0	623	0	0	0	0	0	535
8537100030	1	15	130	1964	0	0	5	71	53	727
9024100000	0	53	0	3265	0	0	0	35	0	1192
9031100000	0	0	0	24	0	0	0	62	0	777
300000	0	28	0	57	0	0	0	0	0	34
9032810040	0	0	10520	1129	705	49	1816	136	14092	1200

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8465300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 92 - March 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	1	10	0	0	1	10
Denmark	32	110	26	197	58	307
Finland	48	18	19	302	67	320
Greece	2	3	1	139	3	142
Hungary	8	12	2	23	10	35
Iceland	0	0	0	0	0	0
Ireland	8	633	10	26	18	659
Luxembourg	0	0	0	0	0	0
Norway	12	69	46	31	58	101
Poland	2	2416	2	3	4	2419
Portugal	78	99	0	0	78	99
Romania	0	0	0	0	0	0
Sweden	43	265	67	213	110	478
Turkey	5	646	8	840	13	1486
Yugoslavia	2	39	0	0	2	39
Oth Europe	12	1105	9	42	21	1147
TOTAL	2639	25185	1597	34441	4236	59627
NORTH AND CENTRAL AMERICA						
Bahamas	0	0	0	0	0	0
Barbados	2	17	10	35	12	52
Belize	0	0	1	6	1	6
Bermuda	0	0	0	0	0	0
Costa Rica	40	286	29	149	69	435
Dominican Rep	28	176	29	173	57	348
El Salvador	7	24	41	359	48	383
Guatemala	24	116	12	514	36	629
Haiti	0	0	0	0	0	0
Honduras	88	42	27	222	115	264
Jamaica	0	0	20	860	20	860
Panama	288	45	6	[illegible]	294	250
Trinidad	10	6	2	55	12	61
Oth N & C Am.	16	181	8	29	24	210
TOTAL	5047	38888	2504	40714	7551	79602
SOUTH AMERICA						
Argentina	84	438	35	301	119	739
Bolivia	0	0	0	0	0	0
Chile	281	1117	25	220	306	1337
Colombia	51	359	81	426	132	785
Ecuador	31	53	2	14	33	67
Paraguay	0	0	0	0	0	0
Peru	6	18	13	153	19	171
Uruguay	2	7	0	0	2	7
Oth South Am.	0	0	3	33	3	33
TOTAL	1815	7556	414	4272	2229	11828
OCEANIA						
New Zealand	6	317	43	50	49	367
Oth Oceania	5	3	5	4	10	7
TOTAL	263	1586	108	581	371	2167

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 92 - March 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	337	1875	39	98	376	1973
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	24	116	20	39	44	155
Jordan	0	0	7	57	7	57
Kuwait	32	281	1	182	33	463
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	0	0	3	72	3	72
Pakistan	14	82	6	251	20	333
Philippines	106	193	106	834	212	1027
Qatar	0	0	0	0	0	0
Saudi Arabia	55	540	111	7376	166	7915
Sri Lanka	0	0	0	0	0	0
Syria	1	7	9	15	10	22
United Arab Emr	112	154	4	72	116	226
Vietnam	0	0	0	0	0	0
Oth Asia	7	7	1	6	8	13
TOTAL	5238	60270	1404	38033	6642	98303
AFRICA						
Algeria	0	0	2	18	2	18
Botswana	0	0	0	0	0	0
Egypt	28	381	7	771	35	1152
Ethiopia	0	0	0	0	0	0
Gabon	25	217	0	0	25	217
Ghana	1	78	0	0	1	78
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	22	14	12	300	34	314
Niger	0	0	0	0	0	0
Nigeria	0	0	1	30	1	30
South Africa	294	381	7	86	301	467
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	5	3	0	0	5	3
Zimbabwe	166	5	0	0	166	5
Oth Africa	4	200	0	0	4	200
TOTAL	545	1280	29	1204	574	2484

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS - Metal Cutting Machine Tools - January 92 - March 92

RELEASED: May 27, 1992

		TOTAL YTD	
		UNITS	$000
8456301020	Traveling wire electro-discharge machines	201	15596
301050	Electro-discharge machines, n.e.c., NC	42	3710
301070	Electro-discharge machines, n.e.c., non-NC	50	711
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	482	37629
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	35	8043
100035	Horizontal machining centers, ATC	108	24098
100045	Machining centers, n.e.c.	17	4637
200010	Unit construction mach. (single station transfer), NC	1	168
200090	Unit construction mach. (single station transfer), non-NC	5	667
300010	Multi-station transfer machines, NC	13	16052
300090	Multi-station transfer machines, non-NC	18	6065
8458110010	Horizontal lathes, multiple spindle, NC	73	10978
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	486	33046
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	103	16503
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	11	4093
190030	Horizontal engine or toolroom lathes, non-NC	520	4973
190050	Automatic bar and/or chucking mach., single spindle, non-NC	33	1446
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	8	923
190090	Horizontal lathes, n.e.c., non-NC	22	390
911060	Vertical turret lathes, multiple spindle, NC	8	1763
911080	Vertical turret lathes, n.e.c., NC	16	2305
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	14	2145
991050	Vertical turret lathes, non-NC	10	427
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	105	4740
8459100000	Way-type unit head machines	2	84
210080	Other drilling machines, NC	34	3264
290040	Drilling machines, multiple spindle, non-NC	81	2502
290050	Drilling machines, radial, non-NC	27	322
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	9	106
290090	Drilling machines, n.e.c., non-NC	86	3491
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	5	949
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	15	2628
310070	Boring-milling machines, n.e.c., NC	1	170
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	6	363
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	33	1351
400040	Boring machines, vertical, NC	3	675
400050	Boring machines, vertical, non-NC	18	247
400070	Boring machines, n.e.c., NC	0	0
400080	Boring machines, n.e.c., non-NC	25	1809
510080	Milling machines, knee type, NC	70	1481
590030	Milling machines, knee type, non-NC	417	3928
610080	Milling machines, excluding knee type, n.e.c., NC	36	3645
690050	Milling machines, profile, dup., or die sinking, non-NC	3	14
690070	Milling machines, bed type, non-NC	20	713
690090	Milling machines, n.e.c., non-NC	34	950
700020	Threading or tapping machines, n.e.c., NC	104	5673
700080	Threading or tapping machines, n.e.c., non-NC	10	166
8460110080	Flat surface grinding machines, NC	27	1293
190010	Flat surface grinding mach., recip.-table type, non-NC	241	3759
190050	Flat surface grinding machines, n.e.c., non-NC	197	4270
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	69	18547
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	40	1560
290030	Grinding machines, internal cylindrical, non-NC	21	3331
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	166	9079
310080	Sharpening machines (tool & cutter grinding), NC	48	1668
390050	Sharpening machines (tool & cutter grinding), non-NC	238	1879
400060	Honing or lapping machines, NC	5	356
400080	Honing or lapping machines, non-NC	40	3998
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	4	294
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	252	5914
8461100060	Planing machines, NC	0	0
100080	Planing machines, non-NC	0	0
200010	Shaping or slotting machines, NC	3	115
200090	Shaping or slotting machines, non-NC	16	1821
300060	Broaching machines, NC	2	403
300080	Broaching machines, non-NC	5	4897
401020	Gear cutting for bevel gears	0	0
401030	Gear hobbers	16	5372
401040	Gear shapers	3	46
401060	Gear cutting machines, n.e.c.	35	161
405050	Gear grinding or finishing for bevel gears	2	1010
405070	Gear grinding or finishing machines, n.e.c.	8	1540
500050	Sawing or cutting-off machines, NC	18	1776
500090	Sawing or cutting-off machines, non-NC	314	5261
9000000001	Metal cutting machine tools, n.e.c.	63	4481
9800000001	Used or rebuilt machine tools	1756	11096
9900000001	Machine tools valued at less than $3,025	242270	20830
	Y-T-D Cutting Total	249279	350403
	NC Y-T-D Cutting Total	2064	225363

Please see notes on last page
of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - January 92 - March 92

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	2	101
301070	0	0	0	0	1	10	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	6	457
100025	0	0	0	0	0	0	0	0	8	2108
100035	0	0	0	0	0	0	0	0	11	1911
100045	0	0	1	621	1	29	0	0	7	618
200010	0	0	0	0	1	168	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	10	2261	0	0	3	13792
300090	0	0	0	0	0	0	0	0	3	4030
8458110010	0	0	12	522	0	0	0	0	6	1626
110030	0	0	0	0	0	0	0	0	1	253
110050	0	0	0	0	0	0	1	70	7	946
110090	0	0	0	0	0	0	0	0	3	1241
190030	0	0	20	220	0	0	0	0	0	0
190050	0	0	2	21	0	0	2	266	1	27
190070	0	0	0	0	0	0	0	0	1	38
190090	0	0	0	0	1	4	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	1	1320	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	1	106	1	2
995090	0	0	39	315	4	156	0	0	13	1406
8459100000	0	0	0	0	0	0	1	29	0	0
210080	0	0	0	0	0	0	0	0	8	172
290040	0	0	0	0	2	10	0	0	45	415
290050	0	0	4	53	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	1	21
290090	1	33	9	55	0	0	0	0	3	87
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	9	1588
310070	0	0	0	0	0	0	0	0	1	170
390040	0	0	0	0	2	322	0	0	0	0
390050	0	0	0	0	0	0	0	0	3	199
400040	0	0	0	0	0	0	0	0	1	419
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	3	32	0	0	2	952
510080	0	0	0	0	0	0	0	0	1	660
590030	0	0	1	14	1	200	0	0	17	218
610080	0	0	0	0	3	9	0	0	9	523
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	1	3	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	1	70
8460110080	0	0	0	0	2	90	1	9	5	170
190010	0	0	0	0	0	0	0	0	3	150
190050	0	0	1	15	0	0	3	12	5	564
210080	0	0	0	0	0	0	0	0	20	6301
290010	0	0	0	0	4	14	0	0	0	0
290030	0	0	0	0	0	0	0	0	2	710
290050	0	0	0	0	2	15	0	0	48	3879
310080	0	0	0	0	0	0	0	0	14	522
390050	0	0	0	0	12	69	0	0	13	259
400060	0	0	0	0	0	0	0	0	2	229
400080	0	0	0	0	2	28	0	0	12	1864
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	4	87	22	85	32	1498
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	3	115
200090	0	0	0	0	1	3	0	0	7	1342
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	10	4687
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	1	933
405070	0	0	0	0	0	0	0	0	3	817
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	69	723	1	35	31	844
9000000001	0	0	0	0	7	24	5	45	16	1951
9800000001	2	138	0	0	107	2375	1	18	76	1692
9900000001	2	3	0	0	266	120	265	419	962	658
Y-T-D Tot	5	174	89	1835	506	6753	304	2413	1439	63233
NC YTD Tot	0	0	13	1143	17	2557	4	1417	129	34241

Please see notes on last page of the metal forming section.

U.S. IMPORTS – Metal Cutting Machine Tools – January 92 – March 92

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	119	11057	0	0	0	0	0	0
301050	0	0	33	2789	0	0	0	0	0	0
301070	0	0	15	259	0	0	0	0	0	0
8457100015	0	0	324	28721	6	284	44	2629	0	0
100025	1	1239	14	3697	0	0	0	0	0	0
100035	0	0	90	21639	6	477	0	0	0	0
100045	3	1528	4	1699	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	2	208	3	361	0	0	0	0	0	0
8458110010	0	0	55	8831	0	0	0	0	0	0
110030	0	0	308	26174	33	2074	0	0	0	0
110050	0	0	83	14274	0	0	0	0	0	0
110090	3	1508	3	747	0	0	0	0	0	0
190030	0	0	3	209	12	126	37	472	4	167
190050	0	0	1	44	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	2	8	2	144	0	0	0	0	0	0
911060	0	0	8	1763	0	0	0	0	0	0
911080	0	0	1	154	1	119	0	0	1	79
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	14	2145	0	0	0	0	0	0
991050	0	0	6	316	0	0	0	0	0	0
995090	1	19	5	495	29	1912	0	0	0	0
8459100000	0	0	1	55	0	0	0	0	0	0
210080	0	0	25	3011	0	0	0	0	0	0
290040	0	0	31	2068	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	3	112
290070	0	0	5	26	0	0	0	0	0	0
290090	7	26	16	2805	0	0	0	0	31	285
310010	0	0	3	781	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	1	149	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	3	185	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	14	238	4	406	0	0	0	0	0	0
510080	0	0	0	0	0	0	3	111	0	0
590030	1	3	5	48	0	0	0	0	184	1776
610080	0	0	6	914	0	0	4	139	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	2	69	0	0	0	0	12	443
690090	1	18	12	562	0	0	0	0	0	0
700020	0	0	77	4998	0	0	0	0	0	0
700080	0	0	4	60	1	5	0	0	1	21
8460110080	0	0	3	291	0	0	0	0	0	0
190010	5	93	23	886	0	0	148	1766	1	54
190050	2	30	15	1523	0	0	0	0	2	77
210080	0	0	29	6704	0	0	0	0	0	0
290010	3	46	4	465	0	0	0	0	1	48
290030	0	0	10	2081	0	0	0	0	0	0
290050	15	222	29	1245	0	0	0	0	0	0
310080	1	1	17	127	0	0	0	0	0	0
390050	0	0	152	930	0	0	0	0	0	0
400060	0	0	2	109	0	0	0	0	0	0
400080	0	0	8	670	0	0	0	0	0	0
900060	0	0	1	159	0	0	0	0	0	0
900080	9	337	82	2011	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	5	36	3	440	0	0	0	0	0	0
300060	0	0	1	349	0	0	0	0	0	0
300080	0	0	4	1701	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	3	609	1	53	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	2	2	1	153	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	2	17	3	706	0	0	0	0	0	0
500050	4	38	3	133	0	0	0	0	0	0
500090	29	126	37	1802	36	901	0	0	2	8
9000000001	5	246	19	2007	0	0	0	0	0	0
9800000001	7	78	89	3854	8	318	0	0	3	12
9900000001	7863	1671	19443	3048	4413	402	48	8	70	13
Y-T-D Tot	7990	7923	21264	173470	4546	6670	284	5126	315	3095
NC YTD Tot	12	4315	1230	142587	46	2954	51	2879	1	79

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - January 92 - March 92

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	22	2243	1	5	0	0	59	2291
301050	0	0	6	778	0	0	0	0	1	42
301070	0	0	0	0	31	358	1	11	2	75
8457100015	0	0	0	0	45	2165	41	2487	16	887
100025	0	0	0	0	3	189	0	0	9	810
100035	0	0	0	0	1	71	0	0	0	0
100045	1	142	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	2	110	2	428	0	0	0	0	1	129
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	10	1467	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	7	754	30	1296	21	1074	86	1420
110050	0	0	1	150	9	795	1	173	1	94
110090	0	0	0	0	0	0	1	304	1	293
190030	0	0	10	35	104	950	18	228	312	2568
190050	0	0	2	177	19	155	4	744	2	11
190070	0	0	5	834	0	0	2	51	0	0
190090	0	0	0	0	1	10	12	186	4	38
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	12	633	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	2	4	0	0
995090	0	0	1	9	3	195	7	214	3	19
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	82
290040	0	0	3	10	0	0	0	0	0	0
290050	0	0	0	0	19	139	0	0	1	18
290070	0	0	0	0	3	60	0	0	0	0
290090	12	49	4	135	1	3	1	6	1	7
310010	0	0	0	0	2	168	0	0	0	0
310040	0	0	0	0	0	0	1	921	5	120
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	4	41	0	0
390050	0	0	0	0	23	200	1	41	5	762
400040	0	0	0	0	0	0	0	0	2	256
400050	0	0	0	0	15	62	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	2	181
510080	0	0	0	0	46	537	2	85	18	88
590030	0	0	0	0	159	795	29	759	20	115
610080	0	0	1	1582	2	74	5	177	6	227
690050	0	0	0	0	3	14	0	0	0	0
690070	6	201	0	0	0	0	0	0	0	0
690090	0	0	2	201	5	37	2	62	11	67
700020	0	0	0	0	27	675	0	0	0	0
700080	0	0	0	0	3	9	0	0	0	0
8460110080	0	0	2	568	6	83	7	57	1	24
190010	0	0	0	0	13	155	0	0	48	655
190050	0	0	1	117	155	1304	4	605	9	25
210080	0	0	11	1955	0	0	9	3587	0	0
290010	2	20	11	748	9	124	6	94	0	0
290030	1	283	1	186	0	0	0	0	7	71
290050	4	1074	12	2125	25	277	22	125	9	118
310080	0	0	10	608	0	0	1	6	5	404
390050	0	0	0	0	3	18	54	558	4	45
400060	0	0	1	18	0	0	0	0	0	0
400080	2	24	4	1268	0	0	12	145	0	0
900060	0	0	1	114	0	0	0	0	2	21
900080	1	8	10	1020	12	132	38	280	42	456
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	1	54	0	0	0	0	0	0
300080	0	0	0	0	0	0	1	3196	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	2	24	0	0
401040	0	0	0	0	0	0	0	0	3	46
401060	0	0	21	2	0	0	11	4	0	0
405050	0	0	0	0	0	0	1	77	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	1	52	0	0	0	0	0	0	10	1553
500090	0	0	3	52	64	518	24	122	18	132
9000000001	3	61	0	0	2	42	1	.34	5	72
9800000001	2	5	15	794	19	235	86	941	1341	635
9900000001	178	327	85	99	169776	11186	281	228	38618	2647
Y-T-D Tot	215	2358	265	18528	170639	23037	727	18283	40691	17504
NC YTD Tot	2	194	63	8822	172	6058	101	9505	223	8611

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92 - March 92

RELEASED: May 27, 1992

Metal Forming Machine Tools

		TOTAL YTD	
		UNITS	$000
8454300010	Die casting machines	107	6926
8462100030	Headers and upsetters, including cold headers	9	1646
100050	Forging or die stamping machines, and hammers, n.e.c.	306	19336
210080	Bending, folding, straight. or flat. mach., incl presses, NC	157	10666
290030	Press brakes, non-NC	47	1484
290040	Bending rolls, non-NC	15	696
290050	Bending, folding, straight., or flat., n.e.c., non-NC	204	9662
310080	Shearing machines, NC	5	743
390050	Shearing machines, non-NC	98	4979
410080	Punching or notching mach., incl. comb. punch & shear, NC	71	6827
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	100	5332
910060	Hydraulic presses, NC	3	2062
910090	Hydraulic presses, non-NC	932	8704
990030	Presses, n.e.c., NC	0	0
990035	Mechanical transfer presses, non-NC	4	8627
990045	Mechanical presses, n.e.c., non-NC	26	993
990060	Presses, n.e.c., non-NC	98	6381
8463100080	Draw benches for bars, tubes, profiles, wire or the like	45	4050
200080	Thread rolling machines	18	809
300080	Machines for working wire	173	6638
900080	Metal forming machine tools, n.e.c.	161	6283
9800000002	Used or rebuilt machine tools	376	4684
9900000002	Machine tools valued at less than $3,025	3315	1663
	Y-T-D Forming Total	6270	119191
	NC Y-T-D Forming Total	236	20298
	Cutting and Forming Totals:		
	Y-T-D Total	255549	469594
	NC Y-T-D Total	2300	245660

Other Manufacturing Technology

		TOTAL YTD	
		UNITS	$000
1000000000	Machine tool parts and accessories	0	130851
2000000000	Parts for working rubber or plastics - heading 8477	0	70635
2710003070	Quenching or cutting oils	0	106
8428900010	Industrial robots for lifting, handling, loading or unload	869	9020
8431390080	Parts industrial robots, handling and loading - heading 8428	0	18163
8456101010	Laser, light or photon beam for working metal, NC	53	9454
101020	Laser, light or photon beam for working metal, non-NC	18	2273
105000	Laser, light or photon beam for other materials	41	1176
201010	Ultrasonic processes for working metal, NC	0	0
201050	Ultrasonic processes for working metal, non-NC	1	4
205000	Ultrasonic processes for working other materials	28	60
8477103000	Injection molding mach., for manufacturing shoes	32	875
106010	Injection molding mach., for rubber or oth. thermosetting	249	24672
106050	Injection molding mach., for thermoplastics	785	68755
200005	Extruders; rubber or other thermosetting mat., single screw	12	955
200015	Extruders; rubber or thermosetting, other incl. multi. screw	8	584
200035	Extruders; thermoplastics, single screw, less than 6.4cm	10	227
200045	Extruders; thermoplastics, single screw, 6.4cm or greater	12	4448
200055	Extruders; thermoplastics, mutli. screw, less than 6.4cm	21	1174
200065	Extruders; thermoplastics, multi. screw, 6.4cm or larger	14	5303
300000	Blow molding machines	66	18142
400000	Vacuum-molding and other thermoforming machines	91	874
510010	Machines for molding or retreading pneumatic tires	326	4918
510090	Machines for molding or otherwise forming inner tubes	10	323
590000	Machines for molding or otherwise forming n.e.c.	308	13048
800000	Machines for working rubber or plastics n.e.c.	1030	29206
8479899040	Industrial robots, n.e.c.	421	14569
908040	Industrial robot parts	0	8021
8537100030	Numerical controls for controlling machine tools	2041	7285
9024100000	Machines and appliances for testing metals	0	2452
9031100000	Machines for balancing mechanical parts	0	1129
300000	Profile projectors	0	755
9032810020	Industrial process control instr., hydraulic	29822	434
810060	Industrial process control instr., pneumatic	17237	442

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92 - March 92

Metal Forming	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	18	783	0	0	2	518
8462100030	0	0	0	0	1	19	0	0	1	428
100050	0	0	7	9	5	194	0	0	172	5660
210080	2	227	0	0	29	1231	0	0	25	3378
290030	1	15	0	0	36	1263	0	0	0	0
290040	0	0	0	0	4	85	0	0	0	0
290050	0	0	0	0	39	1170	1	4	18	858
310080	0	0	0	0	0	0	0	0	0	0
390050	8	170	0	0	6	237	0	0	2	94
410080	0	0	0	0	0	0	1	18	15	725
490050	0	0	0	0	5	142	30	550	23	344
910060	0	0	0	0	1	146	0	0	0	0
910090	0	0	0	0	30	1752	0	0	38	1880
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	5	62	0	0	4	375
990060	0	0	0	0	46	2441	2	23	5	1767
8463100080	4	1129	0	0	0	0	0	0	21	1797
200080	0	0	0	0	1	19	0	0	4	466
300080	4	1160	0	0	0	0	2	306	36	1336
900080	0	0	0	0	14	127	21	140	11	1377
9800000002	5	168	0	0	162	1931	20	812	35	388
9900000002	0	0	0	0	120	62	20	49	70	79
Y-T-D Tot	24	2869	7	9	522	11666	97	1901	482	21470
NC YTD Tot	2	227	0	0	30	1377	1	18	40	4103
C&F Y-T-D	29	3043	96	1844	1028	18419	401	4314	1921	84703
C&F NC YTD	2	227	13	1143	47	3935	5	1435	169	38345

Other Manufacturing Technology										
1000000000	0	621	0	841	0	29463	0	1950	0	21547
2000000000	0	192	0	39	0	19742	0	4540	0	18818
2710003070	0	0	0	0	0	38	0	0	0	0
8428900010	0	0	0	0	13	711	4	326	6	839
8431390080	0	0	0	16	0	3975	0	709	0	3647
8456101010	0	0	0	0	0	0	0	0	17	2181
101020	0	0	0	0	1	130	0	0	17	2142
105000	3	1	0	0	29	364	0	0	1	287
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	1	4	0	0	0	0
205000	0	0	0	0	12	1	0	0	1	8
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	0	0	8	1313	11	973	19	3698
106050	0	0	0	0	124	17183	1	423	78	6616
200005	0	0	0	0	0	0	0	0	11	910
200015	0	0	0	0	3	29	0	0	3	157
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	0	0	0	0	0	0	3	947
200055	0	0	0	0	0	0	0	0	9	564
200065	0	0	0	0	0	0	1	414	7	1596
300000	0	0	0	0	7	443	22	10592	12	4952
400000	0	0	0	0	0	0	0	0	18	58
510010	0	0	0	0	29	930	0	0	3	2404
510090	0	0	0	0	0	0	0	0	2	3
590000	0	0	0	0	58	3016	27	2164	18	5013
800000	15	215	0	0	90	1548	22	2032	171	5587
8479899040	0	0	0	0	12	1434	5	990	15	743
908040	0	2	0	0	0	76	0	12	0	2048
8537100030	0	0	0	0	2	157	2	29	9	130
9024100000	0	0	0	0	0	272	0	3	0	514
9031100000	0	192	0	0	0	155	0	8	0	155
300000	0	0	0	0	0	0	0	0	0	121
9032810020	0	0	0	0	1	8	0	0	1154	20
810060	0	0	0	0	35	5	3	5	48	13

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92 - March 92

Metal Forming

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	4	175	70	4537	0	0	0	0	0	0
8462100030	2	209	5	990	0	0	0	0	0	0
100050	0	0	47	12167	4	229	0	0	3	22
210080	12	130	73	3684	0	0	0	0	0	0
290030	0	0	4	133	0	0	0	0	0	0
290040	4	33	3	481	0	0	0	0	0	0
290050	20	120	41	4940	0	0	0	0	5	92
310080	4	257	0	0	0	0	0	0	0	0
390050	4	26	22	3770	0	0	0	0	21	259
410080	13	753	35	4461	0	0	0	0	0	0
490050	15	194	8	3464	0	0	0	0	10	213
910060	0	0	2	1915	0	0	0	0	0	0
910090	34	171	40	3348	1	9	0	0	4	47
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	4	8627	0	0	0	0	0	0
990045	2	7	5	263	0	0	0	0	0	0
990060	4	57	15	1252	0	0	0	0	0	0
8463100080	0	0	17	1059	1	32	0	0	0	0
200080	0	0	2	191	0	0	0	0	0	0
300080	5	512	91	2594	0	0	0	0	0	0
900080	13	92	8	274	0	0	0	0	0	0
9800000002	3	4	19	699	0	0	0	0	0	0
9900000002	107	141	548	280	1	2	0	0	96	92
Y-T-D Tot	246	2879	1059	59125	7	270	0	0	139	724
NC YTD Tot	29	1139	110	10059	0	0	0	0	0	0
C&F Y-T-D	8236	10802	22323	232596	4553	6941	284	5126	454	3820
C&F NC YTD	41	5454	1340	152646	46	2954	51	2879	1	79

Other Manufacturing Technology

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	4885	0	34817	0	352	0	164	0	680
2000000000	0	2411	0	14621	0	710	0	1	0	67
2710003070	0	0	0	40	0	0	0	0	0	0
8428900010	1	55	290	3508	0	0	0	0	0	0
8431390080	0	131	0	2133	0	6	0	2	0	368
8456101010	2	284	32	6247	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	14	790	0	0	0	0	0	0	18	85
106010	17	707	134	14111	4	221	2	119	0	0
106050	71	2939	402	36291	14	412	11	175	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	1	170	0	0	0	0	0	0	0	0
200035	0	0	0	0	0	0	0	0	0	0
200045	3	490	0	0	0	0	0	0	0	0
200055	0	0	6	537	0	0	0	0	0	0
200065	0	0	5	2232	0	0	0	0	0	0
300000	3	568	15	1191	0	0	0	0	0	0
400000	0	0	39	573	0	0	0	0	0	0
510010	6	832	276	660	0	0	0	0	1	10
510090	1	236	4	50	0	0	0	0	0	0
590000	10	204	18	1545	18	24	129	683	0	0
800000	24	2086	529	14105	0	0	0	0	1	19
8479899040	2	176	290	8329	1	47	1	7	2	84
908040	0	29	0	3497	0	0	0	18	0	0
8537100030	21	309	1921	6318	0	0	0	0	0	0
9024100000	0	29	0	943	0	17	0	2	0	0
9031100000	0	21	0	454	0	4	0	8	0	0
300000	0	0	0	146	0	0	0	0	0	0
9032810020	0	0	0	0	2738	15	0	0	0	0
810060	1570	105	3491	41	0	0	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92 - March 92

Metal Forming

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	10	806	2	89	0	0	1	19
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	1	223	1	206	60	304	6	323
210080	0	0	0	0	2	32	5	1057	9	928
290030	0	0	0	0	3	14	0	0	3	59
290040	1	52	0	0	3	45	0	0	0	0
290050	49	1598	11	342	2	19	10	415	8	103
310080	0	0	0	0	0	0	1	486	0	0
390050	0	0	0	0	0	0	22	185	13	239
410080	1	24	1	57	0	0	0	0	5	790
490050	4	51	1	305	2	9	1	5	1	54
910060	0	0	0	0	0	0	0	0	0	0
910090	9	474	1	3	80	5	8	19	687	997
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	2	56	8	230
990060	2	53	0	0	16	614	4	36	4	138
8463100080	0	0	2	34	0	0	0	0	0	0
200080	0	0	0	0	11	133	0	0	0	0
300080	0	0	8	127	10	302	8	37	9	265
900080	0	0	72	4063	1	4	9	47	12	159
9800000002	19	61	2	15	0	0	61	378	50	229
9900000002	29	10	95	195	1300	493	94	60	835	200
Y-T-D Tot	114	2323	204	6169	1433	1968	285	3085	1651	4733
NC YTD Tot	1	24	1	57	2	32	6	1543	14	1717
C&F Y-T-D	329	4680	469	24698	172072	25006	1012	21368	42342	22236
C&F NC YTD	3	218	64	8879	174	6090	107	11047	237	10329

Other Manufacturing Technology

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	1990	0	8991	0	5271	0	8166	0	11112
2000000000	0	224	0	1416	0	1252	0	2337	0	4265
2710003070	0	0	0	15	0	0	0	0	0	13
8428900010	68	3267	3	2	480	16	2	132	2	163
8431390080	0	633	0	630	0	137	0	2722	0	3054
8456101010	0	0	2	741	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	4	39	4	486
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	15	51
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	20	949	8	537	0	0	26	2044
106050	2	398	7	557	34	1331	1	34	40	2396
200005	0	0	0	0	0	0	0	0	1	45
200015	0	0	0	0	1	229	0	0	0	0
200035	0	0	0	0	0	0	2	56	8	170
200045	0	0	0	0	0	0	5	2417	1	593
200055	5	49	0	0	0	0	0	0	1	24
200065	0	0	1	1061	0	0	0	0	0	0
300000	0	0	1	209	5	88	0	0	1	101
400000	0	0	0	0	12	159	22	84	0	0
510010	0	0	0	0	0	0	11	83	0	0
510090	0	0	0	0	1	4	1	28	1	2
590000	0	0	1	20	3	17	10	316	16	46
800000	0	0	4	339	23	743	58	1100	93	1434
8479899040	21	1032	2	294	2	13	1	31	67	1389
908040	0	385	0	137	0	59	0	354	0	1405
8537100030	34	7	2	48	20	20	17	108	13	158
9024100000	0	22	0	168	0	1	0	425	0	55
9031100000	0	0	0	18	0	0	0	92	0	23
300000	0	0	0	50	0	0	0	438	0	0
9032810020	0	0	993	25	6000	6	1752	18	17184	342
810060	320	39	5	1	2121	10	48	31	9596	191

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 92 March 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	315	3266	5	843	320	4109
Bulgaria	5	33	0	0	5	33
Czechoslovakia	43	850	0	0	43	850
Denmark	104	370	71	901	175	1272
Finland	11	233	9	806	20	1039
Hungary	2	8	0	0	2	8
Ireland	5	21	0	0	5	21
Luxembourg	3	11	14	13	17	24
Netherlands	159	1564	19	465	178	2028
Norway	0	0	0	0	0	0
Poland	45	972	0	0	45	972
Portugal	0	0	20	352	20	352
Romania	4	134	0	0	4	134
USSR	1	78	0	0	1	78
Yugoslavia	40	189	2	290	42	479
Oth Europe	7	76	2	118	9	194
TOTAL	12004	123812	1733	45208	13737	169020
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	220	79	1225	352	1445	431
Oth N & C Am.	1	8	0	0	1	8
TOTAL	727	6839	1747	12018	2474	18858
SOUTH AMERICA						
Argentina	0	0	0	0	0	0
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	11	22	0	0	11	22
Uruguay	0	0	0	0	0	0
Venezuela	0	0	1	4	1	4
Oth South Am.	0	0	0	0	0	0
TOTAL	100	1857	8	13	108	1870
OCEANIA						
Australia	5	503	6	196	11	699
New Zealand	0	0	25	5	25	5
Oth Oceania	0	0	0	0	0	0
TOTAL	5	503	31	201	36	704

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 92   March 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	39522	4263	186	181	39708	4444
Hong Kong	33	70	4	5	37	75
India	25	187	0	0	25	187
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	11	756	4	140	15	895
Malaysia	0	0	1	7	1	7
Pakistan	6	51	0	0	6	51
Philippines	0	0	0	0	0	0
Thailand	113	3761	0	0	113	3761
Oth Asia	0	0	0	0	0	0
TOTAL	236443	217391	2694	61696	239137	279087
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	57	55	57	55
Swaziland	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	0	0	57	55	57	55

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.

A3179-3

REPORT

AMT
The Association For
Manufacturing Technology
Founded 1902 as National Machine Tool Builders' Association
Direct Dial: (703) 827-5260

STATISTICAL

No. 58-92 July 1, 1992

U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY – APRIL 1992

(values in millions of U.S. dollars)

	Apr. 1992	Mar. 1992	Average Jan.-Mar.	YTD Total'92	YTD Total'91	% Change 1991-1992
METAL CUTTING MACHINE TOOLS						
Exports	$ 45.1	$ 42.0	$ 44.9	$179.8	$201.6	(10.8%)
Imports	$135.2	$118.6	$116.8	$485.7	$561.4	(13.4%)
Balance	($ 90.1)	($ 76.6)	($ 71.9)	($305.9)	($359.8)	(15.0%)
METAL FORMING MACHINE TOOLS						
Exports	$ 41.0	$ 35.3	$ 39.7	$160.3	$141.4	13.4%
Imports	$ 47.3	$ 44.9	$ 39.7	$166.5	$218.8	(23.9%)
Balance	($ 6.3)	($ 9.6)	$ 0.0	($ 6.2)	($ 77.4)	(92.0%)
MACHINE TOOL TOTAL						
Exports	$ 86.1	$ 77.3	$ 84.7	$340.1	$343.1	(0.9%)
Imports	$182.5	$163.5	$156.5	$652.1	$780.2	(16.4%)
Balance	($ 96.4)	($ 86.2)	($ 71.8)	($312.0)	($437.1)	(28.6%)
NUMERICALLY CONTROLLED MACHINE TOOLS						
Exports	$ 23.2	$ 19.4	$ 24.7	$ 97.3	$114.3	(14.9%)
Imports	$101.0	$ 84.4	$ 81.9	$346.7	$399.1	(13.1%)
Balance	($ 77.8)	($ 65.0)	($ 57.2)	($249.4)	($284.8)	(12.4%)
OTHER MANUFACTURING TECHNOLOGY						
Exports	$147.7	$156.6	$148.4	$593.1	$541.7	9.5%
Imports	$168.8	$173.8	$150.1	$619.1	$691.0	(14.3%)
Balance	($ 21.1)	($ 17.2)	($ 1.7)	($ 26.0)	($149.3)	NM

Note: Numerically controlled machine tools is a subgroup of the machine tool total. ( ) denotes negative. NM = not meaningful. Individual items may not add up to totals due to rounding.

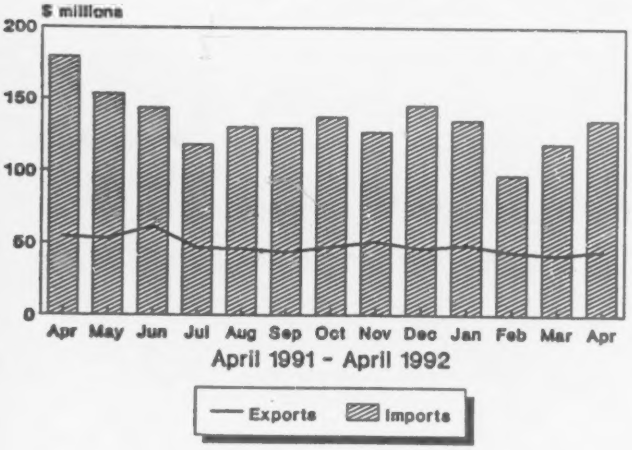
- April U.S. machine tool exports were $86.1 million, up 11% from March. Year-to-date exports are down slightly to $340.1 million from $343.1 million in 1991.

- U.S. machine tool imports in April increased to $182.5 million in April, up 12% from March. Year-to-date imports are down 16% from 1991.

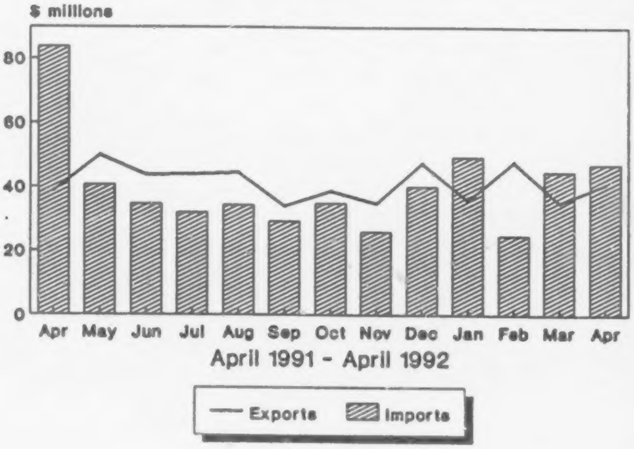
- The year-to-date machine tool trade deficit is down almost 29% to $312.0 million, from $437.1 million in 1991.

U.S. MONTHLY TRADE IN MACHINE TOOLS

METAL CUTTING



METAL FORMING



METAL CUTTING MACHINE TOOLS

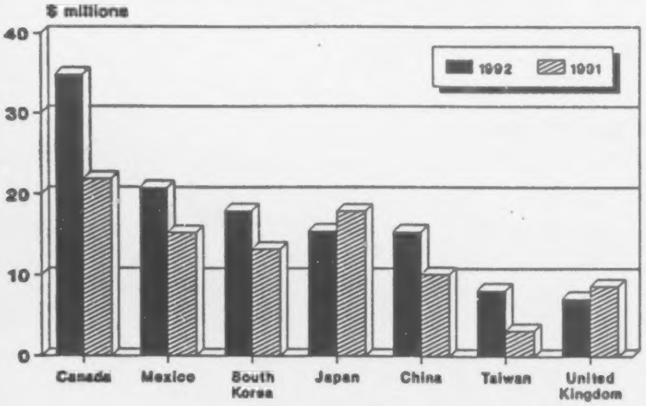
Exports

- Metal cutting exports in April rose 7% from March to $45.1 million. Year-to-date exports of $179.8 million are down 11% from last year.

- Canada is the top year-to-date metal cutting export market at $34.9 million, up 59% over last year. Exports to Taiwan are up 157% to $8.2 million so far this year. Exports to Austria in 1992 through April are $1.3 million, up from $467,486 last year at this time.

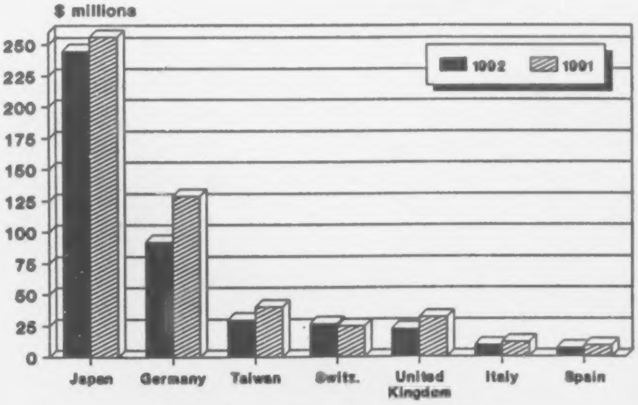
- Year-to-date exports of NC vertical lathes are $3.2 million, up from $1.0 million last year at this time. Exports of milling machines are up 72% thus far in 1992 to $18.7 million.

LEADING U.S. EXPORT MARKETS
METAL CUTTING MACHINES



April year-to-date 1992 vs 1991

LEADING U.S. IMPORT SOURCES
METAL CUTTING MACHINES



April year-to-date 1992 vs. 1991

Imports

- Imports of metal cutting machines in April rose to $135.2 million, up from $118.6 million in March. Year-to-date imports of $485.7 million are down 13.4% from last year.

- Year-to-date imports of milling machines are down nearly 45% to $16.5 million, from $30.0 million this time last year. Horizontal NC lathe imports are $82.3 million, down 15% from the comparable period in 1991.

- Year-to-date metal cutting imports from Japan are down 5% to $245.1 million; imports from the United Kingdom are down 29% to $22.5 million. Imports in 1992 through April from Singapore are still close to double year earlier levels, at $6.5 million this year.

METAL FORMING MACHINE TOOLS

Exports

- Exports of metal forming machines increased to $41.0 million in April, up from $35.3 million in March. Year-to-date exports are up 13.4% to $160.3 million.

- Mexico is again the top year-to-date market at $26.9 million, up 63% over last year; exports to Korea are up 60% to $11.5 million. Exports to Belgium are $7.3 million, up from $0.6 million at this time in 1991, while exports to Venezuela are $1.9 million, up from $0.5 million last year at this time.

- Exports of bending and forming machines so far in 1992 are $27.5 million, up 18% from $23.3 million last year at this time. Year-to-date exports of forging machines fell to $11.4 million, 11% below the comparable period last year.

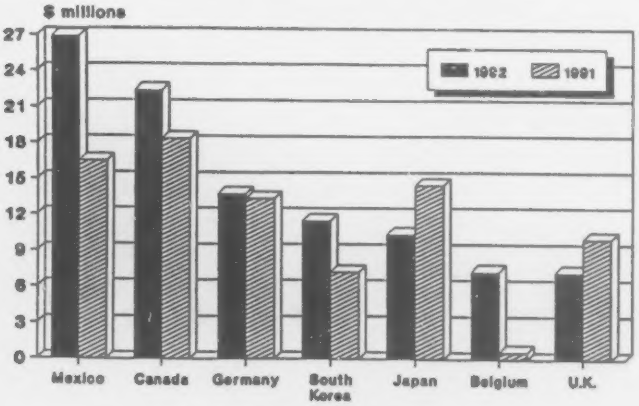
Imports

- Year-to-date imports of metal forming machines are down 24% to $166.5 million. April imports of $47.3 million are up from $44.9 million in March.

- Year-to-date imports of presses are down 59% to $35.0 million from $85.7 million during the same period last year. Imports of forging machines are up 73% to $34.3 million in 1992.

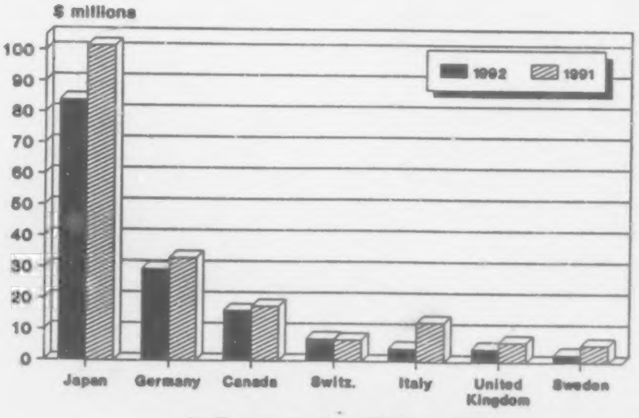
- Imports from Japan through April are down 17% to $84.0 million; imports from Germany are $29.6 million through April down from $33.2 million in 1991, representing an 11% decline.

LEADING U.S. EXPORT MARKETS
METAL FORMING MACHINES



April year-to-date 1992 vs. 1991

LEADING U.S. IMPORT SOURCES
METAL FORMING MACHINES



April year-to-date 1992 vs. 1991

OTHER MANUFACTURING TECHNOLOGY

Exports

• Exports of machine tool parts and accessories are $251.3 million in 1992 through April, up from $221.5 million last year at this time. The top markets during the month of April 1992: Japan ($11.0 million), Canada ($10.8 million), and Germany ($5.8 million).

• Exports of injection molding machines for thermoplastics so far in 1992 are $29.9 million, up 94% from $15.4 million during the same period in 1991. The top markets in April are: Canada ($6.5 million), Germany ($0.9 million), and Mexico ($0.4 million).

Imports

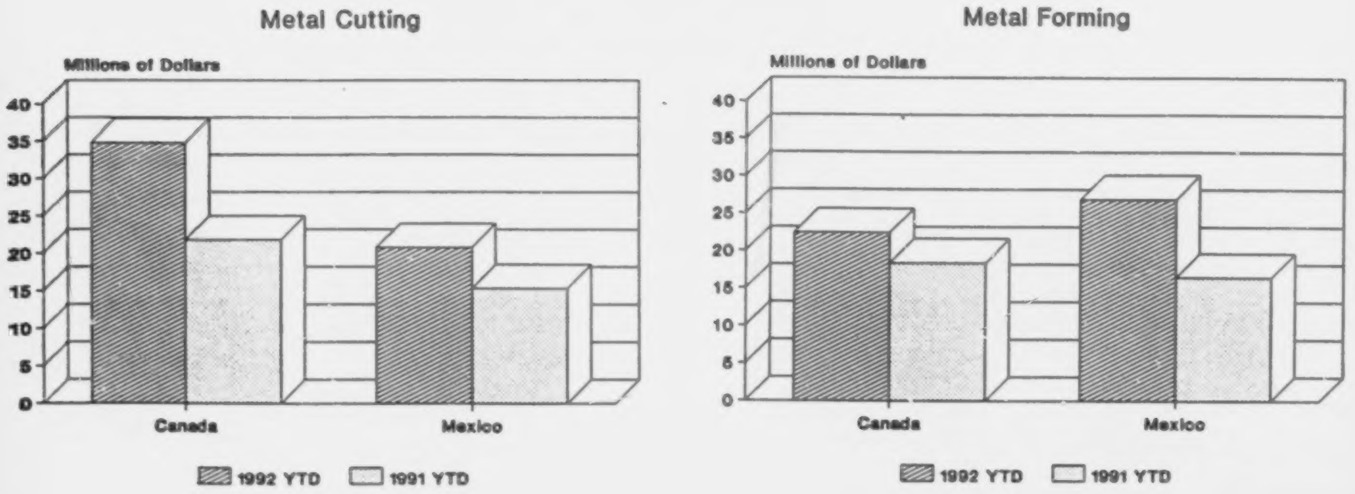
• Imports of machine tool parts and accessories are $185.0 million in 1992 through April, down slightly from $185.4 million in 1991. The top sources in April: Canada ($17.3 million), Japan ($12.1 million) and Germany ($7.8 million).

• Year-to-date imports of NC lasers for working metal are $13.3 million, up from $9.2 million in 1991 at this time. The only import sources for NC lasers in April are Japan ($3.3 million) and Germany ($0.6 million).

MONTHLY FOCUS

With the current negotiation of a North American Free Trade Agreement, it is interesting to note that both Canada and Mexico are the two largest U.S. export markets for machine tools. Canada and Mexico imported a combined $259.4 million worth of machine tools in 1991. Year-to-date figures for April 1992 indicate that exports to these countries are already $105 million. This is an increase of 45% over year earlier levels of $72.0 million for the same period. The U.S. balance of trade with these countries is especially favorable. U.S. imports of Canadian machine tools through April 1992 are $24.4 million, resulting in a U.S. trade surplus of $32.8 million during the first four months of 1992. U.S. imports of Mexican machine tools are so small, that almost all U.S. exports result in a trade surplus.

U.S. Machine Tool Exports to Canada and Mexico



1992 EXPORTS

METAL CUTTING

COUNTRY	APR'92	MAR'92	% CHANGE	APR'92 YTD	APR'91 YTD	% CHANGE
Canada	$11,976,911	$6,746,814	77.5%	$34,864,646	$21,885,379	59.3%
Mexico	5,730,529	5,728,575	0.0%	20,837,531	15,275,653	36.4%
South Korea	4,140,113	3,411,661	21.4%	17,984,431	13,207,383	36.2%
Japan	1,746,002	2,982,330	-41.5%	15,451,746	17,937,900	-13.9%
China	3,544,037	2,386,904	48.5%	15,428,739	10,122,474	52.4%
Taiwan	1,942,127	1,668,460	16.4%	8,179,101	3,179,274	157.3%
United Kingdom	2,598,053	1,041,355	149.5%	7,130,471	8,678,056	-17.8%
Germany	2,426,100	1,681,578	44.3%	6,828,438	29,297,824	-76.7%
Indonesia	157,918	4,415,000	-96.4%	4,739,396	81,705	5700.6%
Brazil	368,771	507,551	-27.3%	4,125,164	3,893,886	5.9%
Italy	277,648	1,264,366	-78.0%	3,998,857	6,102,318	-34.5%
India	1,063,581	2,149,449	-50.5%	3,793,105	5,644,569	-32.8%
Singapore	712,008	1,479,016	-51.9%	3,355,211	1,994,362	68.2%
Switzerland	76,912	588,714	-86.9%	2,927,770	2,176,650	34.5%
France	557,133	342,979	62.4%	2,460,089	7,250,681	-66.1%
Venezuela	388,838	968,044	-59.8%	2,195,100	4,211,239	-47.9%
Netherlands	705,491	30,620	2204.0%	2,111,816	2,796,608	-24.5%
Australia	259,026	434,212	-40.3%	1,524,408	1,901,671	-19.8%
Austria	768,847	8,809	8628.0%	1,274,259	467,486	172.6%
Thailand	285,170	486,622	-41.4%	1,242,437	1,046,375	18.7%
Belgium	476,902	123,874	285.0%	784,676	4,835,882	-83.8%
Malaysia	21,686	223,088	-90.3%	454,156	702,528	-35.4%
Spain	318,327	53,192	498.4%	448,823	546,354	-17.9%
USSR	0	0	NA	0	14,234,533	-100.0%

METAL FORMING

COUNTRY	APR'92	MAR'92	% CHANGE	APR'92 YTD	APR'91 YTD	% CHANGE
Mexico	$5,205,283	$8,177,089	-36.3%	$26,882,369	$16,513,439	62.8%
Canada	5,944,693	5,949,839	-0.1%	22,375,605	18,365,508	21.8%
Germany	4,762,148	2,276,472	109.2%	13,769,297	13,362,142	3.0%
South Korea	2,042,752	1,896,157	7.7%	11,536,123	7,218,658	59.8%
Japan	2,383,709	2,829,337	-15.8%	10,385,411	14,474,022	-28.2%
Belgium	478,378	756,562	-36.8%	7,296,656	610,398	1095.4%
United Kingdom	561,572	1,244,304	-54.9%	7,246,076	10,008,757	-27.6%
France	1,459,624	1,264,480	15.4%	7,110,456	8,786,417	-19.1%
Taiwan	1,535,942	1,462,014	5.1%	5,452,451	3,607,541	51.1%
Italy	3,453,261	534,622	545.9%	4,714,953	2,393,065	97.0%
Thailand	1,342,969	88,113	1424.1%	4,325,392	1,889,281	128.9%
China	2,822,059	189,649	1388.0%	4,074,444	5,176,449	-21.3%
Singapore	2,379,870	525,553	352.8%	3,993,983	2,602,039	53.5%
Brazil	853,557	921,416	-7.4%	2,915,993	2,524,038	15.5%
Venezuela	839,255	414,593	102.4%	1,902,944	534,720	255.9%
Switzerland	61,730	240,969	-74.4%	1,453,637	1,044,616	39.2%
Netherlands	584,103	148,840	292.4%	1,255,829	5,037,394	-75.1%
Malaysia	129,175	656,411	-80.3%	936,921	651,562	43.8%
Spain	332,644	0	NA	830,941	537,927	54.5%
Austria	290,982	412,442	-29.4%	809,609	187,657	331.4%
Australia	126,921	192,649	-34.1%	653,797	1,130,687	-42.2%
Indonesia	0	270,000	-100.0%	590,030	1,945,337	-69.7%
India	177,341	161,193	10.0%	549,635	649,306	-15.4%
USSR	0	45,960	-100.0%	121,743	0	NA

MACHINE TOOL TOTAL

COUNTRY	APR'92	MAR'92	% CHANGE	APR'92 YTD	APR'91 YTD	% CHANGE
Canada	$17,921,604	$12,696,653	41.2%	$57,240,251	$40,250,887	42.2%
Mexico	10,935,812	13,905,664	-21.4%	47,719,900	31,789,092	50.1%
South Korea	6,182,865	5,307,818	16.5%	29,520,554	20,426,041	44.5%
Japan	4,129,711	5,811,667	-28.9%	25,837,157	32,411,922	-20.3%
Germany	7,188,248	3,958,050	81.6%	20,597,735	42,659,966	-51.7%
China	6,366,096	2,576,553	147.1%	19,503,183	15,298,923	27.5%
United Kingdom	3,159,625	2,285,659	38.2%	14,376,547	18,686,813	-23.1%
Taiwan	3,478,069	3,130,474	11.1%	13,631,552	6,786,815	100.9%
France	2,016,757	1,607,459	25.5%	9,570,545	16,037,098	-40.3%
Italy	3,730,909	1,798,988	107.4%	8,713,810	8,495,383	2.6%
Belgium	955,280	880,436	8.5%	8,081,332	5,446,280	48.4%
Singapore	3,091,878	2,004,569	54.2%	7,349,194	4,596,401	59.9%
Brazil	1,222,328	1,428,967	-14.5%	7,041,157	6,417,924	9.7%
Thailand	1,628,139	574,735	183.3%	5,567,829	2,935,656	89.7%
Indonesia	157,918	4,685,000	-96.6%	5,329,426	2,027,042	162.9%
Switzerland	138,642	829,683	-83.3%	4,381,407	3,221,266	36.0%
India	1,240,922	2,310,642	-46.3%	4,342,740	6,293,875	-31.0%
Venezuela	1,228,093	1,382,637	-11.2%	4,098,044	4,745,959	-13.7%
Netherlands	1,289,594	179,460	618.6%	3,367,645	7,834,002	-57.0%
Australia	385,947	626,861	-38.4%	2,178,205	3,032,358	-28.2%
Austria	1,059,829	421,251	151.6%	2,083,868	655,143	218.1%
Malaysia	150,861	879,499	-82.8%	1,391,077	1,354,090	2.7%
Spain	650,971	53,192	1123.8%	1,279,764	1,084,281	18.0%

1992 IMPORTS

METAL CUTTING

COUNTRY	APR'92	MAR'92	% CHANGE	APR'92 YTD	APR'91 YTD	% CHANGE
Japan	$71,678,655	$60,150,783	19.2%	$245,149,096	$257,965,547	-5.0%
Germany	28,758,177	14,774,500	94.6%	91,991,147	128,748,405	-28.5%
Taiwan	6,864,645	7,149,360	-4.0%	29,901,963	40,446,526	-26.1%
Switzerland	8,273,724	6,775,113	22.1%	26,802,124	24,781,933	8.2%
United Kingdom	4,253,230	8,239,796	-48.4%	22,536,313	31,753,398	-29.0%
Italy	1,615,517	2,177,284	-25.8%	9,538,760	11,716,814	-18.6%
Canada	1,319,432	2,637,951	-50.0%	8,072,140	6,063,417	33.1%
South Korea	1,209,482	2,053,488	-41.1%	7,879,647	6,403,200	23.1%
Spain	4,099,397	750,900	445.9%	7,194,895	8,775,951	-18.0%
Singapore	1,347,981	1,850,753	-27.2%	6,473,887	3,346,319	93.5%
France	697,288	1,735,935	-59.8%	3,110,299	6,528,975	-52.4%
Brazil	764,007	80,601	847.9%	2,598,705	3,100,410	-16.2%
Sweden	135,525	950,447	-85.7%	2,493,265	8,012,775	-68.9%
Belgium	20,000	102,702	-80.5%	194,102	1,030,475	-81.2%

METAL FORMING

COUNTRY	APR'92	MAR'92	% CHANGE	APR'92 YTD	APR'91 YTD	% CHANGE
Japan	$24,845,571	$21,903,887	13.4%	$83,970,934	$101,512,959	-17.3%
Germany	8,130,811	10,214,853	-20.4%	29,600,448	33,226,840	-10.9%
Canada	4,694,768	4,522,793	3.8%	16,360,940	17,760,980	-7.9%
Switzerland	1,291,535	2,326,115	-44.5%	7,460,977	7,103,752	5.0%
Italy	1,500,186	1,200,945	24.9%	4,379,065	12,645,035	-65.4%
United Kingdom	1,219,145	952,567	28.0%	4,304,269	6,468,216	-33.5%
Belgium	537,738	341,270	57.6%	3,406,330	3,597,488	-5.3%
Taiwan	819,702	774,610	5.8%	2,787,910	2,535,286	10.0%
France	871,301	833,915	4.5%	2,771,965	940,163	194.8%
Sweden	382,482	407,010	-6.0%	2,705,103	5,688,096	-52.4%
Spain	411,991	90,649	354.5%	1,136,381	1,044,743	8.8%
South Korea	219,859	0	NA	490,198	363,335	34.9%
Singapore	11,500	0	NA	11,500	300,254	-96.2%
Brazil	0	0	NA	9,051	19,218,837	-100.0%

MACHINE TOOL TOTAL

COUNTRY	APR'92	MAR'92	% CHANGE	APR'92 YTD	APR'91 YTD	% CHANGE
Japan	$96,524,226	$82,054,670	17.6%	$329,120,030	$359,478,506	-8.4%
Germany	36,888,988	24,989,353	47.6%	121,591,595	161,975,245	-24.9%
Switzerland	9,565,259	9,101,228	5.1%	34,263,101	31,885,685	7.5%
Taiwan	7,684,347	7,923,970	-3.0%	32,689,873	42,981,812	-23.9%
United Kingdom	5,472,375	9,192,363	-40.5%	26,840,582	38,221,614	-29.8%
Canada	6,014,200	7,160,744	-16.0%	24,433,080	23,824,397	2.6%
Italy	3,115,703	3,378,229	-7.8%	13,917,825	24,361,849	-42.9%
South Korea	1,429,341	2,053,488	-30.4%	8,369,845	6,766,535	23.7%
Spain	4,511,388	841,549	436.1%	8,331,276	9,820,694	-15.2%
Singapore	1,359,481	1,850,753	-26.5%	6,485,387	3,646,573	77.8%
France	1,568,589	2,569,850	-39.0%	5,882,264	7,469,138	-21.2%
Sweden	518,007	1,357,457	-61.8%	5,198,368	13,700,871	-62.1%
Belgium	557,738	443,972	25.6%	3,600,432	4,627,963	-22.2%
Brazil	764,007	80,601	847.9%	2,607,756	22,319,247	-88.3%

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 92

RELEASED: July 1, 1992

Metal Forming Machine Tools		TOTAL YTD UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000
8454300010	Die casting machines	180	2289	58	795
8462100030	Headers and upsetters, including cold headers	6	4169	1	581
100050	Forging or die stamping machines, and hammers, n.e.c.	67	7280	23	3187
210080	Bending, folding, straight. or flat. mach., incl presses, NC	140	10862	29	2056
290030	Press brakes, non-NC	62	1345	45	1124
290040	Bending rolls, non-NC	23	949	3	163
290050	Bending, folding, straight., or flat., n.e.c., non-NC	397	14331	74	2924
310080	Shearing machines, NC	35	2182	6	313
390050	Shearing machines, non-NC	128	2404	46	744
410080	Punching or notching mach., incl. comb. punch & shear, NC	50	8214	14	2204
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	209	5491	69	1409
910060	Hydraulic presses, NC	12	703	9	532
910090	Hydraulic presses, non-NC	116	3734	21	774
990030	Presses, n.e.c., NC	55	5852	12	2488
990040	Presses, mechanical, non-NC	22	1787	8	321
990060	Presses, n.e.c., non-NC	228	20053	77	7252
8463100080	Draw benches for bars, tubes, profiles, wire or the like	72	2235	18	521
200080	Thread rolling machines	11	268	1	53
300080	Machines for working wire	221	6512	42	2032
900080	Metal forming machine tools, n.e.c.	579	31760	79	7536
9800000002	Used or rebuilt machine tools	960	24056	209	2976
9900000002	Machine tools valued at less than $3,025	4584	3811	1257	1056

	TOTAL YTD UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000
Forming Total			2101	41040
Y-T-D Forming Total	8157	160286		
NC Y-T-D Forming Total	292	27813		
Cutting and Forming Totals:				
Monthly Total			8041	86117
Y-T-D Total	29644	340127		
NC Y-T-D Total*	794	97336		

Other Manufacturing Technology		TOTAL YTD UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000
1000000000	Machine tool parts and accessories	0	251310	0	66323
2000000000	Parts for working rubber or plastics - heading 8477	0	82887	0	20240
2710003070	Quenching or cutting oils	0	2586	0	568
8428900010	Industrial robots for lifting, handling, loading or unload	580	5839	127	837
8431390090	Parts industrial robots, handling and loading - heading 8428	0	31371	0	5982
8456100000	Laser, light or photon beam for working any material	123	6729	26	1878
200000	Ultrasonic process for working any material	6	180	0	0
8477106010	Injection molding mach., for rubber or oth. thermosetting	84	7209	29	2666
106070	Injection molding machines, for thermoplastics	206	29942	36	11515
200005	Extruders; rubber or other thermosetting mat., single screw	19	1749	9	368
200015	Extruders; rubber or thermosetting, other incl. multi. screw	51	4013	21	1327
200030	Extruders; thermoplastics, single screw	56	5677	12	737
200060	Extruders; thermoplastics, other incl. multi. screw	29	2937	4	76
300000	Blow molding machines	213	18489	30	1852
400000	Vacuum-molding and other thermoforming machines	729	5853	353	1542
510010	Machines for molding or retreading pneumatic tires	2269	12387	736	3744
510090	Machines for molding or otherwise forming inner tubes	351	1816	49	514
590000	Machines for molding or otherwise forming n.e.c.	686	8271	303	2330
800000	Machines for working rubber or plastics n.e.c.	1263	32662	249	5711
8479899040	Industrial robots, n.e.c.	1884	20725	451	5697
908040	Industrial robot parts	0	9991	0	2131
8537100030	Numerical controls for controlling machine tools	605	8375	167	2327
9024100000	Machines and appliances for testing metals	0	19659	0	4891
9031100000	Machines for balancing mechanical parts	0	8888	0	1380
300000	Profile projectors	0	1030	0	147
9032810040	Industrial process control instr., hydraulic or pneumatic	140451	12543	28072	2902

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 92

Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	1	42	0	0	7	2202
210080	1	54	0	0	0	0	0	0	14	798
290030	0	0	0	0	0	0	0	0	3	104
290040	0	0	0	0	0	0	0	0	1	22
290050	0	0	0	0	4	89	0	0	30	540
310080	0	0	0	0	0	0	0	0	2	118
390050	0	0	0	0	0	0	0	0	10	209
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	0	0	0	0	0	0	10	70
910060	0	0	0	0	1	34	0	0	0	0
910090	1	9	0	0	1	11	0	0	0	0
990030	0	0	0	0	0	0	0	0	3	593
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	4	100	0	0	0	0	4	387
8463100080	0	0	0	0	0	0	0	0	1	4
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	2	12
900080	0	0	0	0	8	274	4	796	10	120
9800000002	0	0	20	191	4	14	1	50	28	642
9900000002	73	64	0	0	17	14	8	7	120	123
Month Tot	75	127	24	291	36	478	13	854	245	5945
Y-T-D Tot	135	654	67	810	220	7297	205	2916	1128	22376
NC YTD Tot	2	113	0	0	4	154	2	80	48	4365
C&F Month	157	386	42	1060	69	955	173	1222	1665	17922
C&F Y-T-D	469	2178	88	2084	292	8081	465	7041	3949	57240
C&F NC YTD*	6	293	3	1240	8	479	20	2144	155	20821
Other Manufacturing Technology										
1000000000	0	834	0	165	0	584	0	953	0	10783
2000000000	0	316	0	7	0	229	0	319	0	5714
2710003070	0	16	0	0	0	0	0	19	0	186
8428900010	0	0	47	471	0	0	0	0	7	103
8431390090	0	411	0	0	0	63	0	26	0	1358
8456100000	0	0	0	0	0	0	0	0	1	18
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	2	94
106070	0	0	0	0	0	0	0	0	15	6523
200005	0	0	0	0	0	0	0	0	1	180
200015	0	0	0	0	0	0	0	0	6	639
200030	2	386	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	1	14
300000	5	9	0	0	0	0	0	0	3	696
400000	0	0	0	0	0	0	0	0	1	38
510010	2	51	0	0	9	47	19	476	87	2247
510090	0	0	0	0	0	0	0	0	0	0
590000	1	125	0	0	7	106	1	4	8	141
800000	0	0	0	0	1	13	9	40	64	963
8479899040	0	0	0	0	1	714	1	8	311	1866
908040	0	4	0	0	0	0	0	0	0	629
8537100030	0	0	0	0	4	45	0	0	21	279
9024100000	0	38	0	0	0	3	0	34	0	523
9031100000	0	14	0	0	0	5	0	7	0	636
300000	0	0	0	0	0	0	0	0	0	13
9032810040	2879	190	342	96	1203	99	20	5	1457	107

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 92

Metal Forming	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	25	273	1	83	0	0	0	0	0	0
8462100030	0	0	1	581	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	333	0	0	0	0	0	0
290030	39	999	0	0	0	0	0	0	0	0
290040	0	0	0	0	1	84	0	0	0	0
290050	0	0	1	66	4	276	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	1	284	0	0	1	169	0	0	0	0
490050	1	74	2	131	2	65	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	1	124	0	0	1	6	0	0	0	0
990030	1	300	0	0	0	0	0	0	0	0
990040	0	0	0	0	1	12	0	0	0	0
990060	0	0	4	159	13	3408	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	4	48	0	0	5	259	0	0	0	0
900080	1	720	2	89	8	336	0	0	0	0
9800000002	0	0	0	0	5	107	22	162	0	0
9900000002	0	0	21	18	48	41	34	15	0	0
Month Tot	73	2822	33	1460	89	4762	56	177	0	0
Y-T-D Tot	97	4074	180	7110	381	13769	115	550	13	590
NC YTD Tot	16	1747	4	652	6	648	0	0	0	0
C&F Month	124	6366	83	2017	407	7188	74	1241	18	158
C&F Y-T-D	422	19503	516	9571	1407	20598	323	4343	43	5329
C&F NC YTD*	42	8701	16	1949	30	2758	2	446	3	135

Other Manufacturing Technology

1000000000	0	1293	0	3206	0	5769	0	959	0	326
2000000000	0	10	0	536	0	2261	0	163	0	610
2710003070	0	0	0	0	0	18	0	0	0	7
8428900010	0	0	2	74	0	0	0	0	0	0
8431390090	0	0	0	147	0	60	0	0	0	431
8456100000	0	0	2	199	0	0	0	0	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	0	0	2	921	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	4	125	3	152	0	0	0	0
400000	1	9	108	24	0	0	0	0	0	0
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	1	23
590000	0	0	8	102	14	289	4	68	0	0
800000	2	817	4	43	2	21	4	63	0	0
8479899040	4	26	8	143	11	519	0	0	0	0
908040	0	4	0	307	0	313	0	0	0	0
8537100030	13	152	9	129	20	299	0	0	0	0
9024100000	0	149	0	79	0	289	0	177	0	0
9031100000	0	0	0	3	0	81	0	12	0	0
300000	0	0	0	0	0	0	0	0	0	0
9032810040	2	7	1416	142	3879	295	201	12	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 92

Metal Forming

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	26	2	17	5	59	1	115	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	1	33	0	0	0	0	0	0	4	246
210080	0	0	1	261	3	261	0	0	1	58
290030	0	0	0	0	0	0	0	0	1	10
290040	0	0	0	0	0	0	0	0	1	56
290050	0	0	1	44	2	123	0	0	13	348
310080	0	0	0	0	0	0	0	0	2	118
390050	15	250	0	0	0	0	0	0	11	131
410080	1	60	0	0	0	0	0	0	1	160
490050	0	0	2	127	3	124	1	14	10	149
910060	0	0	0	0	0	0	0	0	2	132
910090	0	0	0	0	0	0	0	0	6	379
990030	3	640	4	699	0	0	0	0	0	0
990040	0	0	4	152	1	60	0	0	1	45
990060	1	1335	1	26	2	318	0	0	37	1218
8463100080	0	0	0	0	0	0	0	0	14	382
200080	0	0	0	0	0	0	0	0	0	0
300080	4	1063	6	143	0	0	0	0	3	215
900080	0	0	12	800	9	1056	0	0	3	21
9800000002	1	10	1	50	2	35	0	0	90	1227
9900000002	40	35	86	65	9	8	0	0	322	309
Month Tot	67	3453	120	2384	36	2043	2	129	522	5205
Y-T-D Tot	226	4715	592	10385	264	11536	37	937	1958	26882
NC YTD Tot	7	854	11	1590	21	3381	7	455	49	3724
C&F Month	144	3731	346	4130	170	6183	22	151	1668	10936
C&F Y-T-D	545	8714	1790	25837	857	29521	215	1391	6247	47720
C&F NC YTD*	12	2365	56	5138	66	10663	7	455	110	11292

Other Manufacturing Technology

1000000000	0	1969	0	11037	0	3502	0	773	0	4404
2000000000	0	378	0	802	0	177	0	102	0	1428
2710003070	0	0	0	26	0	10	0	0	0	27
8428900010	0	0	55	37	0	0	0	0	0	0
8431390090	0	22	0	97	0	51	0	0	0	332
8456100000	1	13	1	75	0	0	0	0	13	300
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	1	102	0	0	0	0	14	1434
106070	0	0	3	167	3	220	0	0	4	366
200005	0	0	0	0	0	0	0	0	0	0
200015	4	196	0	0	0	0	0	0	7	415
200030	0	0	0	0	0	0	0	0	8	291
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	3	391
400000	0	0	0	0	0	0	0	0	30	317
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	1	20	0	0	1	3	14	103
590000	3	169	145	143	0	0	0	0	36	323
800000	1	8	13	500	1	265	22	354	67	866
8479899040	43	371	3	20	0	0	0	0	8	25
908040	0	163	0	145	0	115	0	0	0	30
8537100030	21	357	2	28	4	37	1	8	2	18
9024100000	0	104	0	796	0	1175	0	258	0	173
9031100000	0	19	0	77	0	24	0	0	0	206
300000	0	28	0	0	0	17	0	0	0	0
9032810040	1422	220	2096	154	86	53	0	0	3050	172

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 92

Metal Forming

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	1	13	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	1	28	0	0	0	0	0	0	1	38
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	6	1146	0	0	0	0	1	25
310080	1	22	0	0	0	0	0	0	0	0
390050	0	0	2	26	0	0	0	0	0	0
410080	2	375	1	465	0	0	0	0	2	302
490050	1	10	1	14	0	0	0	0	6	161
910060	0	0	0	0	5	290	0	0	0	0
910090	3	56	0	0	0	0	0	0	1	32
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	1	52
990060	1	67	0	0	0	0	1	20	0	0
8463100080	0	0	2	107	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	2	111	5	43	1	15	0	0
900080	0	0	2	279	0	0	0	0	4	867
9800000002	1	20	4	181	0	0	0	0	3	50
9900000002	4	7	37	38	0	0	32	27	11	10
Month Tot	14	584	58	2380	10	333	34	62	30	1536
Y-T-D Tot	78	1256	174	3994	27	831	169	1454	102	5452
NC YTD Tot	6	600	2	523	5	290	12	1003	20	1580
C&F Month	90	1290	261	3092	42	651	51	139	117	3478
C&F Y-T-D	300	3368	1280	7349	209	1280	350	4381	678	13632
C&F NC YTD*	26	1854	10	1405	5	290	20	3297	45	8191

Other Manufacturing Technology

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	1545	0	888	0	839	0	720	0	2142
2000000000	0	208	0	469	0	133	0	44	0	292
2710003070	0	0	0	4	0	0	0	0	0	13
8428900010	0	0	0	0	0	0	0	0	0	0
8431390090	0	258	0	36	0	0	0	0	0	8
8456100000	1	110	0	0	0	0	1	12	1	13
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	0	0	0	0	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
400000	0	0	0	0	0	0	0	0	0	0
510010	490	389	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	12	13	0	0
590000	0	0	0	0	30	454	0	0	1	59
800000	0	0	22	6	0	0	0	0	2	28
8479899040	1	4	6	118	1	43	11	66	1	50
908040	0	37	0	32	0	0	0	71	0	0
8537100030	11	101	3	36	2	21	0	0	0	0
9024100000	0	13	0	59	0	33	0	116	0	114
9031100000	0	0	0	6	0	27	0	0	0	33
300000	0	0	0	13	0	8	0	14	0	51
9032810040	787	280	445	59	598	176	107	39	985	77

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 92

Metal Forming

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	22	210
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	9	612	1	51
210080	0	0	3	117	0	0	0	0	3	108
290030	0	0	0	0	0	0	1	7	1	4
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	2	54	0	0	0	0	10	214
310080	0	0	0	0	0	0	0	0	1	55
390050	0	0	0	0	0	0	0	0	8	127
410080	0	0	2	103	0	0	0	0	3	287
490050	2	181	7	60	0	0	0	0	21	230
910060	0	0	0	0	0	0	0	0	1	76
910090	0	0	2	44	0	0	4	91	1	21
990030	1	255	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	2	24	0	0	3	105	4	85
8463100080	0	0	0	0	0	0	0	0	1	28
200080	0	0	0	0	0	0	0	0	1	53
300080	2	40	0	0	0	0	0	0	8	84
900080	4	863	2	22	0	0	0	0	10	1293
9800000002	2	4	5	12	0	0	1	22	19	198
9900000002	0	0	160	126	0	0	24	3	211	147
Month Tot	11	1343	185	562	0	0	42	839	326	3272
Y-T-D Tot	89	4325	542	7246	9	122	105	1903	1244	19101
NC YTD Tot	2	937	26	2137	0	0	0	0	42	2978
C&F Month	486	1628	531	3160	0	0	202	1228	1099	7807
C&F Y-T-D	1657	5568	1536	14377	9	122	1525	4098	4472	36803
C&F NC YTD*	8	1490	56	5826	0	0	7	404	81	5700

Other Manufacturing Technology

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	426	0	4245	0	0	0	517	0	8446
2000000000	0	91	0	1516	0	0	0	576	0	3857
2710003070	0	0	0	40	0	0	0	17	0	186
8428900010	0	0	1	3	0	0	0	0	15	149
8431390090	0	378	0	105	0	0	0	49	0	2151
8456100000	0	0	1	1052	0	0	0	0	4	86
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	1	90	11	945
106070	0	0	1	169	0	0	0	0	8	3148
200005	0	0	0	0	0	0	0	0	8	189
200015	0	0	0	0	0	0	0	0	4	78
200030	0	0	0	0	0	0	1	35	1	24
200060	0	0	0	0	0	0	3	63	0	0
300000	0	0	4	331	0	0	0	0	8	148
400000	0	0	0	0	0	0	17	351	196	802
510010	0	0	0	0	0	0	1	30	128	505
510090	7	3	0	0	0	0	0	0	13	348
590000	0	0	2	32	0	0	0	0	43	313
800000	0	0	10	524	0	0	0	0	25	1199
8479899040	2	60	19	1080	0	0	0	0	20	585
908040	0	0	0	190	0	0	0	3	0	87
8537100030	1	14	34	501	0	0	1	28	18	274
9024100000	0	0	0	215	0	12	0	8	0	523
9031100000	0	0	0	0	0	0	0	12	0	220
300000	0	0	0	0	0	0	0	0	0	3
9032810040	0	0	1699	278	0	0	82	4	5316	441

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
April 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	0	0	0	0	0	0
Denmark	0	0	11	82	11	82
Finland	22	59	8	7	30	66
Greece	1	5	0	0	1	5
Hungary	0	0	0	0	0	0
Iceland	0	0	2	11	2	11
Ireland	4	267	13	41	17	307
Luxembourg	0	0	0	0	0	0
Norway	0	0	30	14	30	14
Poland	0	0	0	0	0	0
Portugal	1	19	1	17	2	36
Romania	0	0	0	0	0	0
Sweden	16	1116	87	168	103	1283
Turkey	3	4	8	207	11	212
Yugoslavia	8	85	0	0	8	85
Oth Europe	0	0	1	55	1	55
TOTAL	1022	9759	653	12586	1675	22345
NORTH AND CENTRAL AMERICA						
Bahamas	0	0	0	0	0	0
Barbados	0	0	1	4	1	4
Belize	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0
Costa Rica	2	100	12	118	14	218
Dominican Rep	15	25	5	25	20	50
El Salvador	0	0	2	4	2	4
Guatemala	2	61	6	7	8	67
Haiti	0	0	0	0	0	0
Honduras	6	16	2	50	8	66
Jamaica	0	0	0	0	0	0
Panama	1	3	1	109	2	113
Trinidad	2	39	0	0	2	39
Oth N & C Am.	3	5	3	6	6	11
TOTAL	2597	17957	799	11472	3396	29429
SOUTH AMERICA						
Argentina	9	255	26	326	35	581
Bolivia	0	0	0	0	0	0
Chile	17	460	10	43	27	503
Colombia	15	80	9	92	24	173
Ecuador	8	395	15	20	23	415
Paraguay	0	0	0	0	0	0
Peru	1	9	19	198	20	207
Uruguay	1	16	0	0	1	16
Oth South Am.	0	0	0	0	0	0
TOTAL	371	1973	134	2372	505	4345
OCEANIA						
New Zealand	0	0	9	8	9	8
Oth Oceania	8	12	0	0	8	12
TOTAL	90	271	84	135	174	406

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
April 92

ASIA

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
Bangladesh	0	0	0	0	0	0
Hong Kong	362	674	3	14	365	688
Iran	1	84	0	0	1	84
Iraq	0	0	0	0	0	0
Israel	28	32	8	6	36	38
Jordan	3	6	0	0	3	6
Kuwait	36	23	4	3	40	27
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	2	6	0	0	2	6
Pakistan	0	0	0	0	0	0
Philippines	8	16	8	67	16	84
Qatar	0	0	0	0	0	0
Saudi Arabia	8	462	12	1477	20	1939
Sri Lanka	0	0	0	0	0	0
Syria	0	0	1	7	1	7
United Arab Emr	9	72	1	22	10	94
Vietnam	0	0	0	0	0	0
Oth Asia	137	7	1	10	138	17
TOTAL	1826	14995	424	14421	2250	29416

AFRICA

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	1	9	0	0	1	9
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	0	0	0	0	0	0
Guinea	11	7	0	0	11	7
Kenya	0	0	1	23	1	23
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	0	0	6	31	6	31
South Africa	21	44	0	0	21	44
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	1	60	0	0	1	60
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	34	121	7	54	41	175

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 92

RELEASED: July 1, 1992

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	136	9442	29	2516
8462100030	Headers and upsetters, including cold headers	16	2116	7	470
100050	Forging or die stamping machines, and hammers, n.e.c.	432	32166	126	12830
210080	Bending, folding, straight. or flat. mach., incl presses, NC	196	13621	39	2955
290030	Press brakes, non-NC	61	2025	14	541
290040	Bending rolls, non-NC	23	988	8	292
290050	Bending, folding, straight., or flat., n.e.c., non-NC	294	12298	90	2636
310080	Shearing machines, NC	16	1851	11	1108
390050	Shearing machines, non-NC	148	7014	50	2034
410080	Punching or notching mach., incl. comb. punch & shear, NC	94	10922	23	4095
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	160	6242	60	910
910060	Hydraulic presses, NC	6	2658	3	596
910090	Hydraulic presses, non-NC	1236	11177	304	2473
990030	Presses, n.e.c., NC	0	0	0	0
990035	Mechanical transfer presses, non-NC	7	10710	3	2083
990045	Mechanical presses, n.e.c., non-NC	38	1751	12	758
990060	Presses, n.e.c., non-NC	137	8741	39	2361
8463100080	Draw benches for bars, tubes, profiles, wire or the like	59	5505	14	1455
200080	Thread rolling machines	22	1038	4	229
300080	Machines for working wire	244	8824	71	2186
900080	Metal forming machine tools, n.e.c.	230	8273	69	1990
9800000002	Used or rebuilt machine tools	467	6551	91	1867
9900000002	Machine tools valued at less than $3,025	4959	2539	1644	876
	Forming Total			2711	47260
	Y-T-D Forming Total	8981	166451		
	NC Y-T-D Forming Total	312	29052		
	Cutting and Forming Totals:				
	Monthly Total			87546	182507
	Y-T-D Total	343095	652101		
	NC Y-T-D Total	2989	346673		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
1000000000	Machine tool parts and accessories	0	185044	0	54193
2000000000	Parts for working rubber or plastics - heading 8477	0	96101	0	25466
2710003070	Quenching or cutting oils	0	126	0	20
8428900010	Industrial robots for lifting, handling, loading or unload	1132	14716	263	5697
8431390080	Parts industrial robots, handling and loading - heading 8428	0	25021	0	6859
8456101010	Laser, light or photon beam for working metal, NC	79	13281	26	3827
101020	Laser, light or photon beam for working metal, non-NC	26	2869	8	596
105000	Laser, light or photon beam for other materials	66	1259	25	83
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	1	4	0	0
205000	Ultrasonic processes for working other materials	29	63	1	3
8477103000	Injection molding mach., for manufacturing shoes	44	1008	12	134
106010	Injection molding mach., for rubber or oth. thermosetting	281	30002	32	5331
106050	Injection molding mach., for thermoplastics	1042	95947	257	27193
200005	Extruders; rubber or other thermosetting mat., single screw	14	1148	2	193
200015	Extruders; rubber or thermosetting, other incl. multi. screw	9	780	1	196
200035	Extruders; thermoplastics, single screw, less than 6.4cm	14	314	4	87
200045	Extruders; thermoplastics, single screw, 6.4cm or greater	18	8016	6	3568
200055	Extruders; thermoplastics, mutli. screw, less than 6.4cm	36	2158	15	984
200065	Extruders; thermoplastics, multi. screw, 6.4cm or larger	21	6497	7	1194
300000	Blow molding machines	113	22601	47	4459
400000	Vacuum-molding and other thermoforming machines	113	2523	22	1649
510010	Machines for molding or retreading pneumatic tires	339	6068	13	1150
510090	Machines for molding or otherwise forming inner tubes	11	369	1	46
590000	Machines for molding or otherwise forming n.e.c.	342	14552	34	1504
800000	Machines for working rubber or plastics n.e.c.	1451	37839	421	8633
8479899040	Industrial robots, n.e.c.	596	22516	175	7947
908040	Industrial robot parts	0	11011	0	2990
8537100030	Numerical controls for controlling machine tools	2962	10076	921	2791
9024100000	Machines and appliances for testing metals	0	3137	0	685
9031100000	Machines for balancing mechanical parts	0	1457	0	328
300000	Profile projectors	0	1167	0	413
9032810020	Industrial process control instr., hydraulic	40645	670	10823	236
810060	Industrial process control instr., pneumatic	30323	752	13086	310

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 92

Metal Forming

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	4	314	0	0	1	19
8462100030	0	0	0	0	0	0	0	0	0	0
100050	1	5	0	0	0	0	2	336	7	114
210080	1	108	0	0	10	605	1	85	6	387
290030	0	0	0	0	11	523	0	0	0	0
290040	0	0	0	0	2	41	0	0	0	0
290050	1	24	0	0	23	671	2	24	25	749
310080	0	0	0	0	1	67	0	0	8	87
390050	5	233	0	0	4	188	2	16	3	792
410080	0	0	0	0	0	0	1	49	9	1935
490050	0	0	0	0	3	315	0	0	2	25
910060	0	0	0	0	0	0	0	0	2	215
910090	0	0	0	0	7	276	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	2	387
990045	1	35	0	0	1	8	0	0	0	0
990060	0	0	0	0	15	1063	11	112	2	729
8463100080	6	114	0	0	0	0	0	0	8	1341
200080	0	0	0	0	0	0	0	0	3	179
300080	0	0	0	0	4	516	0	0	1	3
900080	0	0	0	0	1	7	13	136	5	1023
9800000002	1	19	0	0	21	74	5	102	2	136
9900000002	0	0	0	0	25	30	4	11	18	10
Month Tot	16	538	0	0	132	4695	41	871	104	8131
Y-T-D Tot	40	3406	7	9	654	16361	138	2772	586	29600
NC YTD Tot	3	335	0	0	41	2049	3	152	65	6728
C&F Month	26	558	34	764	279	6014	131	1569	549	36889
C&F Y-T-D	55	3600	130	2608	1307	24433	532	5882	2470	121592
C&F NC YTD	3	335	22	1399	66	5077	8	1649	232	61991

Other Manufacturing Technology

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	711	0	333	0	17273	0	469	0	7804
2000000000	0	31	0	6	0	7562	0	1512	0	6398
2710003070	0	0	0	0	0	14	0	0	0	0
8428900010	0	0	0	0	8	248	4	254	1	257
8431390080	0	0	0	4	0	1855	0	37	0	1660
8456101010	0	0	0	0	0	0	0	0	8	568
101020	0	0	0	0	0	0	0	0	7	558
105000	0	0	0	0	0	0	0	0	1	61
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	0	0	5	902	5	228	13	621
106050	0	0	0	0	31	4221	1	196	15	918
200005	0	0	0	0	0	0	0	0	1	118
200015	0	0	0	0	0	0	0	0	1	196
200035	0	0	0	0	1	47	0	0	0	0
200045	0	0	0	0	0	0	0	0	5	1178
200055	0	0	0	0	1	54	0	0	14	930
200065	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	5	140	30	1469	4	1169
400000	0	0	0	0	0	0	0	0	15	62
510010	0	0	0	0	4	514	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	4	113	2	5	8	694
800000	0	0	0	0	50	1848	0	0	55	1902
8479899040	0	0	0	0	0	0	2	10	22	151
908040	0	0	0	0	0	27	0	15	0	749
8537100030	0	0	0	0	0	0	0	0	6	70
9024100000	0	0	0	0	0	76	0	0	0	219
9031100000	0	0	0	0	0	124	0	0	0	16
300000	0	0	0	0	0	0	0	0	0	133
9032810020	0	0	0	0	10	43	1	5	50	7
810060	0	0	4700	8	80	8	0	0	6	13

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 92

Metal Forming

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	20	2059	1	65	0	0	0	0
8462100030	1	88	6	382	0	0	0	0	0	0
100050	4	38	85	12072	0	0	0	0	0	0
210080	4	268	15	980	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	2	193	0	0	0	0	0	0	0	0
290050	5	57	6	206	0	0	0	0	3	23
310080	0	0	2	954	0	0	0	0	0	0
390050	16	538	6	91	0	0	0	0	1	22
410080	1	16	9	1216	0	0	0	0	0	0
490050	30	178	2	45	0	0	0	0	17	300
910060	0	0	1	381	0	0	0	0	0	0
910090	0	0	1	1249	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	1	1696	0	0	0	0	0	0
990045	0	0	3	170	0	0	0	0	0	0
990060	0	0	2	44	0	0	1	12	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	1	50
300080	2	59	41	1277	0	0	0	0	0	0
900080	1	5	5	540	0	0	0	0	0	0
9800000002	4	22	16	1193	28	150	0	0	0	0
9900000002	34	38	271	290	7	5	0	0	18	17
Month Tot	104	1500	492	24846	36	220	1	12	40	412
Y-T-D Tot	350	4379	1551	83971	43	490	1	12	179	1136
NC YTD Tot	34	1423	137	13591	0	0	0	0	0	0
C&F Month	2043	3116	12655	96524	1522	1429	90	1359	192	4511
C&F Y-T-D	10279	13918	34978	329120	6075	8370	374	6485	646	8331
C&F NC YTD	54	5908	1747	214351	55	3479	64	3554	4	1405

Other Manufacturing Technology

1000000000	0	1893	0	12066	0	109	0	98	0	150
2000000000	0	1197	0	5178	0	33	0	84	0	38
2710003070	0	0	0	6	0	0	0	0	0	0
8428900010	2	519	227	3025	0	0	0	0	0	0
8431390080	0	23	0	573	0	2	0	0	0	2
8456101010	0	0	18	3259	0	0	0	0	0	0
101020	0	0	1	39	0	0	0	0	0	0
105000	0	0	18	2	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	1	28	0	0	0	0	0	0	0	0
106010	3	2878	6	702	0	0	0	0	0	0
106050	14	734	156	17444	1	18	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200035	0	0	0	0	0	0	0	0	0	0
200045	1	2389	0	0	0	0	0	0	0	0
200055	0	0	0	0	0	0	0	0	0	0
200065	5	615	2	579	0	0	0	0	0	0
300000	3	1003	2	614	0	0	0	0	0	0
400000	0	0	6	1472	0	0	0	0	0	0
510010	0	0	9	636	0	0	0	0	0	0
510090	1	46	0	0	0	0	0	0	0	0
590000	4	37	4	345	5	23	0	0	0	0
800000	2	407	260	3282	0	0	0	0	0	0
8479899040	0	0	106	6915	0	0	0	0	0	0
908040	0	124	0	995	0	0	0	15	0	0
8537100030	6	72	855	2620	0	0	0	0	0	0
9024100000	0	52	0	176	0	8	0	0	0	0
9031100000	0	146	0	9	0	0	0	0	0	0
300000	0	0	0	17	0	0	0	0	0	0
9032810020	4	1	0	0	0	0	0	0	0	0
810060	397	53	778	86	0	0	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 92

	Sweden		Switzerland		Taiwan		U.K.		All Other	
Metal Forming	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	2	44	1	15	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	13	10	2	111	0	0	12	144
210080	0	0	0	0	0	0	1	169	1	354
290030	0	0	0	0	2	11	0	0	1	7
290040	0	0	0	0	4	57	0	0	0	0
290050	10	305	8	171	3	9	2	285	2	113
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	1	20	1	5	3	31	8	99
410080	0	0	2	642	0	0	0	0	1	237
490050	5	37	0	0	0	0	1	10	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	3	51	95	360	0	0	198	537
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	2	403	5	142
990060	1	7	0	0	0	0	3	34	4	361
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	2	9	15	141	0	0	3	28	3	153
900080	0	0	24	124	2	8	18	147	0	0
9800000002	4	13	0	0	1	10	5	60	4	88
9900000002	9	12	49	90	785	233	211	51	213	88
Month Tot	31	382	117	1292	896	820	249	1219	452	2323
Y-T-D Tot	145	2705	321	7461	2329	2788	534	4304	2103	7056
NC YTD Tot	1	24	3	698	2	32	7	1712	16	2308
C&F Month	109	518	182	9565	47721	7684	523	5472	21490	6534
C&F Y-T-D	438	5198	651	34263	219793	32690	1535	26841	63832	28770
C&F NC YTD	4	232	98	13724	201	7132	154	14116	277	12323
Other Manufacturing Technology										
1000000000	0	953	0	2936	0	1950	0	4025	0	3422
2000000000	0	170	0	452	0	319	0	712	0	1773
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	12	534	4	764	0	0	4	21	1	73
8431390080	0	113	0	284	0	104	0	985	0	1217
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	5	14	0	0	0	0	0	0	1	6
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	1	3	0	0
8477103000	0	0	0	0	11	106	0	0	0	0
106010	0	0	0	0	0	0	0	0	0	0
106050	2	395	4	1227	7	332	1	6	25	1702
200005	0	0	0	0	0	0	1	75	0	0
200015	0	0	0	0	0	0	0	0	0	0
200035	0	0	0	0	0	0	1	15	2	25
200045	0	0	0	0	0	0	0	0	0	0
200055	0	0	0	0	0	0	0	0	0	0
200065	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	2	48	0	0	1	15
400000	0	0	0	0	0	0	0	0	1	114
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	3	3	4	283	0	0
800000	9	109	2	464	10	77	25	192	8	352
8479899040	8	263	0	0	0	0	2	6	35	603
908040	0	89	0	4	0	64	0	245	0	663
8537100030	0	0	0	0	0	0	1	22	53	6
9024100000	0	0	0	4	0	0	0	139	0	12
9031100000	0	0	0	0	0	0	0	28	0	7
300000	0	0	0	41	0	0	0	222	0	0
9032810020	0	0	773	35	0	0	750	4	9235	141
810060	0	0	0	0	2556	10	8	7	4561	125

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
April 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	97	135	1	354	98	488
Bulgaria	2	27	0	0	2	27
Czechoslovakia	4	27	4	53	8	79
Denmark	37	275	2	3	39	278
Finland	3	55	9	539	12	594
Hungary	4	87	0	0	4	87
Ireland	0	0	6	17	6	17
Luxembourg	0	0	4	361	4	361
Netherlands	2	6	2	5	4	11
Norway	3	5	0	0	3	5
Poland	21	204	1	150	22	354
Portugal	0	0	3	118	3	118
Romania	0	0	0	0	0	0
USSR	1	9	0	0	1	9
Yugoslavia	32	142	1	70	33	212
Oth Europe	3	57	1	100	4	157
TOTAL	3262	48880	736	16114	3998	64994
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	6	12	219	218	225	230
Oth N & C Am.	0	0	0	0	0	0
TOTAL	153	1331	351	4913	504	6244
SOUTH AMERICA						
Argentina	1	38	0	0	1	38
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	45	5	0	0	45	5
Oth South Am.	0	0	0	0	0	0
TOTAL	80	807	0	0	80	807
OCEANIA						
Australia	5	132	2	53	7	186
New Zealand	0	0	2	101	2	101
Oth Oceania	0	0	0	0	0	0
TOTAL	5	132	4	154	9	286

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
April 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	20685	1618	190	87	20875	1705
Hong Kong	2	2	0	0	2	2
India	18	32	0	0	18	32
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	7	512	5	95	12	607
Malaysia	31	24	0	0	31	24
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	29	808	0	0	29	808
Oth Asia	0	0	0	0	0	0
TOTAL	81335	84097	1620	26079	82955	110175
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. – Not elsewhere classified.

U.S. IMPORTS - Metal Cutting Machine Tools - April 92

RELEASED: July 1, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301020	Traveling wire electro-discharge machines	260	21140	59	5545
301050	Electro-discharge machines, n.e.c., NC	71	5510	29	1800
301070	Electro-discharge machines, n.e.c., non-NC	69	965	19	254
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	615	48446	133	10816
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	45	13751	10	5707
100035	Horizontal machining centers, ATC	162	38696	54	14598
100045	Machining centers, n.e.c.	21	19004	4	14367
200010	Unit construction mach. (single station transfer), NC	1	168	0	0
200090	Unit construction mach. (single station transfer), non-NC	6	912	1	244
300010	Multi-station transfer machines, NC	17	17490	4	1437
300090	Multi-station transfer machines, non-NC	23	6669	5	604
8458110010	Horizontal lathes, multiple spindle, NC	106	16168	33	5189
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	625	42344	139	9298
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	125	19535	22	3033
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	12	4281	1	188
190030	Horizontal engine or toolroom lathes, non-NC	826	7592	306	2619
190050	Automatic bar and/or chucking mach., single spindle, non-NC	36	1489	3	44
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	11	1438	3	515
190090	Horizontal lathes, n.e.c., non-NC	49	659	27	269
911060	Vertical turret lathes, multiple spindle, NC	9	1930	1	167
911080	Vertical turret lathes, n.e.c., NC	20	3941	4	1635
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	4	2090	4	2090
915070	Vertical lathes, excluding VTL's, n.e.c., NC	14	2145	0	0
991050	Vertical turret lathes, non-NC	10	427	0	0
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	129	6053	24	1313
8459100000	Way-type unit head machines	3	215	1	130
210080	Other drilling machines, NC	41	4283	7	1019
290040	Drilling machines, multiple spindle, non-NC	82	2510	1	7
290050	Drilling machines, radial, non-NC	58	498	31	176
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	19	1543	10	1437
290090	Drilling machines, n.e.c., non-NC	99	4050	13	559
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	5	949	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	20	5517	5	2889
310070	Boring-milling machines, n.e.c., NC	3	590	2	420
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	6	363	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	39	1434	6	84
400040	Boring machines, vertical, NC	3	675	0	0
400050	Boring machines, vertical, non-NC	18	247	0	0
400070	Boring machines, n.e.c., NC	0	0	0	0
400080	Boring machines, n.e.c., non-NC	38	3004	13	1196
510080	Milling machines, knee type, NC	74	1989	4	508
590030	Milling machines, knee type, non-NC	550	5032	133	1104
610080	Milling machines, excluding knee type, n.e.c., NC	52	7739	16	4094
690050	Milling machines, profile, dup., or die sinking, non-NC	3	14	0	0
690070	Milling machines, bed type, non-NC	20	713	0	0
690090	Milling machines, n.e.c., non-NC	35	1041	1	92
700020	Threading or tapping machines, n.e.c., NC	133	7512	29	1839
700080	Threading or tapping machines, n.e.c., non-NC	18	1086	8	920
8460110080	Flat surface grinding machines, NC	29	1523	2	230
190010	Flat surface grinding mach., recip.-table type, non-NC	352	4785	111	1026
190050	Flat surface grinding machines, n.e.c., non-NC	330	6336	133	2065
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	91	22755	22	4208
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	50	2896	10	1336
290030	Grinding machines, internal cylindrical, non-NC	32	3969	11	638
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	201	11808	35	2729
310080	Sharpening machines (tool & cutter grinding), NC	61	2113	13	444
390050	Sharpening machines (tool & cutter grinding), non-NC	267	2110	29	232
400060	Honing or lapping machines, NC	7	465	2	109
400080	Honing or lapping machines, non-NC	59	4952	19	953
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	5	324	1	30
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	335	8024	83	2110
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	0	0	0	0
200010	Shaping or slotting machines, NC	3	115	0	0
200090	Shaping or slotting machines, non-NC	27	3669	11	1848
300060	Broaching machines, NC	2	403	0	0
300080	Broaching machines, non-NC	7	5241	2	343
401020	Gear cutting for bevel gears	0	0	0	0
401030	Gear hobbers	23	6893	7	1522
401040	Gear shapers	3	46	0	0
401060	Gear cutting machines, n.e.c.	39	176	4	15
405050	Gear grinding or finishing for bevel gears	2	1010	0	0
405070	Gear grinding or finishing machines, n.e.c.	23	6556	15	5017
500050	Sawing or cutting-off machines, NC	27	1966	9	190
500090	Sawing or cutting-off machines, non-NC	400	7137	86	1876
9000000001	Metal cutting machine tools, n.e.c.	89	5755	26	1275
9800000001	Used or rebuilt machine tools	1895	13301	139	2205
9900000001	Machine tools valued at less than $3,025	325170	27471	82900	6641
	Cutting Total			84835	135247
	Y-T-D Cutting Total	334114	485650		
	NC Y-T-D Cutting Total	2677	317621		

Please see notes on last page
of the metal forming section.

U.S. IMPORTS – Metal Cutting Machine Tools – April 92

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	3	284
100025	0	0	0	0	0	0	0	0	1	86
100035	0	0	6	125	6	204	0	0	2	1149
100045	0	0	0	0	0	0	0	0	3	13817
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	1	244	0	0
300010	0	0	0	0	0	0	0	0	2	90
300090	0	0	0	0	2	142	0	0	0	0
8458110010	0	0	3	132	0	0	0	0	1	186
110030	0	0	0	0	0	0	1	80	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	18	165	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	6	47	0	0	0	0	3	461
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	184
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	1	296	1	6	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	2	1772
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	4
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	2	21	0	0	1	193
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	10	156
610080	0	0	0	0	0	0	0	0	6	1122
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	1	259	0	0	1	56
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	1	119
190010	0	0	0	0	0	0	0	0	21	56
190050	0	0	0	0	0	0	0	0	2	654
210080	0	0	0	0	0	0	0	0	6	1698
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	1	83
290050	0	0	0	0	2	31	0	0	22	636
310080	0	0	0	0	1	8	0	0	6	137
390050	0	0	0	0	2	9	0	0	1	6
400060	0	0	0	0	0	0	0	0	1	59
400080	0	0	0	0	0	0	1	13	2	348
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	1	16	2	7	14	314
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	1	4	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	1	180	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	3	390
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	5	3123
500050	0	0	0	0	0	0	0	0	1	21
500090	0	0	0	0	19	318	1	8	25	582
9000000001	0	0	0	0	0	0	7	31	9	294
9800000001	10	20	0	0	15	250	2	22	30	360
9900000001	0	0	0	0	94	52	74	113	258	317
Month Tot	10	20	34	764	147	1319	90	697	445	28758
Y-T-D Tot	15	194	123	2599	653	8072	394	3110	1884	91991
NC YTD Tot	0	0	22	1399	25	3028	5	1497	167	55263

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - April 92

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	31	3326	0	0	0	0	0	0
301050	0	0	19	1355	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	91	8504	3	148	11	602	0	0
100025	0	0	5	5053	0	0	0	0	1	308
100035	0	0	38	12854	0	0	0	0	0	0
100045	0	0	1	550	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	2	1347	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	29	4871	0	0	0	0	0	0
110030	0	0	86	7156	4	219	0	0	0	0
110050	0	0	20	2875	2	158	0	0	0	0
110090	0	0	1	188	0	0	0	0	0	0
190030	0	0	1	41	0	0	19	234	80	736
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	1	167	0	0	0	0	0	0
911080	0	0	4	1635	0	0	0	0	0	0
915050	0	0	4	2090	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	1	14	1	172	7	544	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	5	661	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	1	14	0	0	0	0	0	0	0	0
290070	0	0	10	1437	0	0	0	0	0	0
290090	0	0	3	183	0	0	0	0	7	56
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	2	1018
310070	0	0	1	7	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	5	80	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	1	15	7	917	0	0	0	0	0	0
510080	0	0	1	396	0	0	1	38	0	0
590030	0	0	1	47	0	0	0	0	55	476
610080	0	0	1	1311	0	0	1	34	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	92	0	0	0	0	0	0
700020	0	0	20	1349	0	0	0	0	0	0
700080	0	0	5	773	0	0	0	0	1	116
8460110080	0	0	1	111	0	0	0	0	0	0
190010	0	0	2	132	0	0	47	438	0	0
190050	0	0	2	238	0	0	0	0	0	0
210080	0	0	13	2078	0	0	0	0	0	0
290010	0	0	1	114	0	0	0	0	0	0
290030	1	480	0	0	0	0	0	0	0	0
290050	0	0	2	157	0	0	0	0	4	1362
310080	0	0	2	56	0	0	0	0	0	0
390050	4	36	0	0	0	0	0	0	0	0
400060	0	0	1	50	0	0	0	0	0	0
400080	0	0	7	449	0	0	0	0	0	0
900060	0	0	1	30	0	0	0	0	0	0
900080	2	98	29	1275	0	0	0	0	1	25
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	3	1442	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	1	163	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	4	1131	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	4	15	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	10	1893	0	0	0	0	0	0
500050	8	169	0	0	0	0	0	0	0	0
500090	12	91	7	729	0	0	0	0	0	0
9000000001	7	29	2	906	0	0	0	0	0	0
9800000001	0	0	26	645	0	0	0	0	1	2
9900000001	1896	426	11657	865	1470	140	10	1	0	0
Month Tot	1939	1616	12163	71679	1486	1209	89	1348	152	4099
Y-T-D Tot	9929	9539	33427	245149	6032	7880	373	6474	467	7195
NC YTD Tot	20	4484	1610	200760	55	3479	64	3554	4	1405

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - April 92

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	17	1661	0	0	0	0	11	558
301050	0	0	6	381	1	14	0	0	3	50
301070	0	0	2	24	17	230	0	0	0	0
8457100015	0	0	0	0	4	195	17	833	4	251
100025	0	0	0	0	0	0	0	0	3	261
100035	0	0	0	0	0	0	2	266	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	3	462	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	1	92	9	554	22	1042	16	155
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	65	492	19	354	104	597
190050	0	0	0	0	0	0	0	0	3	44
190070	0	0	3	515	0	0	0	0	0	0
190090	0	0	0	0	9	43	14	191	4	35
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	6	74
8459100000	0	0	0	0	0	0	1	130	0	0
210080	0	0	0	0	0	0	1	174	0	0
290040	0	0	0	0	1	7	0	0	0	0
290050	0	0	0	0	14	97	0	0	16	66
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	1	18	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	1	98	0	0
310070	0	0	0	0	0	0	1	413	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	2	50	0	0
510080	0	0	0	0	0	0	2	73	0	0
590030	0	0	0	0	66	416	0	0	1	8
610080	0	0	2	1523	6	103	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	7	175	0	0	0	0
700080	0	0	0	0	1	6	1	23	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	23	149	0	0	18	250
190050	0	0	1	253	83	815	1	10	44	96
210080	0	0	3	432	0	0	0	0	0	0
290010	0	0	7	1203	2	18	0	0	0	0
290030	0	0	0	0	0	0	0	0	9	74
290050	1	20	3	515	1	9	0	0	0	0
310080	0	0	3	114	0	0	0	0	1	129
390050	0	0	3	44	2	8	16	117	1	11
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	1	68	0	0	8	75	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	6	70	3	11	0	0	9	55	16	238
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	1	344	6	58	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	2	11	5	30	4	18	11	89
9000000001	1	14	0	0	0	0	0	0	0	0
9800000001	1	9	3	617	2	7	40	198	9	75
9900000001	69	22	1	3	46500	3419	113	131	20758	1150
Month Tot	78	136	65	8274	46825	6865	274	4253	21038	4210
Y-T-D Tot	293	2493	330	26802	217464	29902	1001	22536	61729	21714
NC YTD Tot	3	208	95	13026	199	7099	147	12404	261	10015

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - April 92

RELEASED: July 1, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	59	3953	21	1427
100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	23	2212	4	563
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	8	1483	2	467
100035	Horizontal machining centers, ATC	14	3738	3	519
100045	Machining centers, n.e.c.	62	7601	11	2596
200010	Unit construction mach. (single station transfer), NC	4	1394	3	436
200090	Unit construction mach. (single station transfer), non-NC	1	97	0	0
300010	Multi-station transfer machines, NC	1	589	0	0
300090	Multi-station transfer machines, non-NC	24	8482	1	108
8458110010	Horizontal lathes, multiple spindle, NC	20	1765	2	168
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	34	4279	13	2331
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	15	3832	1	63
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	12	3362	5	1283
190030	Horizontal engine or toolroom lathes, non-NC	17	315	9	148
190050	Automatic bar and/or chucking mach., single spindle, non-NC	3	153	0	0
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	15	997	5	387
190090	Horizontal lathes, n.e.c., non-NC	80	1140	12	174
911060	Vertical turret lathes, multiple spindle, NC	1	84	1	84
911080	Vertical turret lathes, n.e.c., NC	4	855	3	737
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	10	2261	0	0
991050	Vertical turret lathes, non-NC	8	290	0	0
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	24	3314	2	66
8459100000	Way-type unit head machines	6	724	1	135
210080	Other drilling machines, NC	37	3961	6	330
290040	Drilling machines, multiple spindle, non-NC	4	127	1	45
290050	Drilling machines, radial, non-NC	9	90	2	21
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	3	111	0	0
290090	Drilling machines, n.e.c., non-NC	264	1639	41	215
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	0	0	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	0	0	0	0
310070	Boring-milling machines, n.e.c., NC	10	692	0	0
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	0	0	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	13	229	0	0
400040	Boring machines, vertical, NC	0	0	0	0
400050	Boring machines, vertical, non-NC	13	1057	1	648
400070	Boring machines, n.e.c., NC	2	271	1	168
400080	Boring machines, n.e.c., non-NC	6	251	3	166
510080	Milling machines, knee type, NC	2	1477	1	127
590030	Milling machines, knee type, non-NC	87	3362	28	966
610080	Milling machines, excluding knee type, n.e.c., NC	24	9498	4	589
690050	Milling machines, profile, dup., or die sinking, non-NC	9	668	6	448
690070	Milling machines, bed type, non-NC	1	25	0	0
690090	Milling machines, n.e.c., non-NC	44	3686	7	653
700020	Threading or tapping machines, n.e.c., NC	6	457	2	60
700080	Threading or tapping machines, n.e.c., non-NC	77	1156	15	278
8460110080	Flat surface grinding machines, NC	29	1180	7	196
190010	Flat surface grinding mach., recip.-table type, non-NC	8	96	2	22
190050	Flat surface grinding machines, n.e.c., non-NC	27	2764	6	395
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	21	4877	7	1564
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	6	2278	1	515
290030	Grinding machines, internal cylindrical, non-NC	43	3435	7	1280
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	84	4652	18	520
310080	Sharpening machines (tool & cutter grinding), NC	21	1112	4	122
390050	Sharpening machines (tool & cutter grinding), non-NC	174	1336	22	164
400060	Honing or lapping machines, NC	1	44	1	44
400080	Honing or lapping machines, non-NC	143	1703	16	190
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	5	1817	0	0
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	475	5706	104	1321
8461100060	Planing machines, NC	1	1722	0	0
100080	Planing machines, non-NC	43	1567	6	117
200010	Shaping or slotting machines, NC	13	451	0	0
200090	Shaping or slotting machines, non-NC	5	157	0	0
8461300060	Broaching machines, NC	8	1688	6	1650
300080	Broaching machines, non-NC	8	976	2	840
401050	Gear hobbers	6	730	0	0
401070	Gear shapers	8	440	0	0
401090	Gear cutting machines, n.e.c.	33	7615	11	1629
405060	Gear grinding or finishing machines	15	3218	10	2231
500050	Sawing or cutting-off machines, NC	22	1366	4	83
500090	Sawing or cutting-off machines, non-NC	378	5126	137	1797
9000000001	Metal cutting machine tools, n.e.c.	388	6982	103	1414
9800000001	Used or rebuilt machine tools	3052	27897	1318	10389
9900000001	Machine tools valued at less than $3,025	15414	7224	3931	2188
	Cutting Total			5940	45077
	Y-T-D Cutting Total	21487	179842		
	NC Y-T-D Cutting Total*	502	69524		

Please see notes on last page
of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - April 92

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	3	312
8457100015	0	0	0	0	0	0	0	0	1	185
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	2	250	0	0	1	269
100045	0	0	0	0	0	0	0	0	4	1153
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	2	226
110050	0	0	0	0	0	0	0	0	1	63
110090	0	0	2	743	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	2	236
190090	3	40	0	0	0	0	0	0	4	92
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	1	38
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	1	45
290050	0	0	0	0	0	0	0	0	1	4
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	13	86	21	99
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	1	648
400070	0	0	0	0	0	0	0	0	1	168
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	1	127
590030	0	0	0	0	1	19	1	58	1	45
610080	0	0	0	0	0	0	0	0	1	315
690050	0	0	0	0	0	0	0	0	2	419
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	2	163	0	0	2	33
8460110080	1	26	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	2	208
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	6	66
310080	0	0	0	0	0	0	2	68	0	0
390050	0	0	0	0	0	0	0	0	16	128
400060	0	0	0	0	0	0	0	0	1	44
400080	3	25	0	0	1	5	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	0	0	12	127	19	204
8461100060	0	0	0	0	0	0	0	0	0	0
100080	3	79	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	1	30
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	3	69
500090	2	9	1	16	0	0	0	0	38	370
9000000001	1	11	0	0	0	0	1	6	27	286
9800000001	1	5	0	0	3	19	1	19	1029	5838
9900000001	68	64	15	9	24	21	130	5	227	255
Month Tot	82	259	18	769	33	477	160	369	1420	11977
Y-T-D Tot	334	1524	21	1274	72	785	260	4125	2821	34865
NC YTD Tot*	4	180	3	1240	4	325	18	2064	107	16455

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - April 92

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	1	93	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	1	889	0	0	0	0	0	0	0	0
200010	0	0	1	195	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	1	120	1	150	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	1	135
210080	1	84	0	0	2	118	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	1	4	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	1	160	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	1	507	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	1	527	0	0	0	0	0	0	0	0
290010	1	515	0	0	0	0	0	0	0	0
290030	1	424	0	0	2	48	4	809	0	0
290050	0	0	0	0	2	15	1	195	0	0
310080	0	0	2	54	0	0	0	0	0	0
390050	0	0	0	0	2	11	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	2	47	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	15	316	1	7	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	1	3	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	2	840	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	1	44	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	1	3	7	137	0	0	0	0
9000000001	4	42	0	0	10	130	0	0	0	0
9800000001	0	0	7	127	8	787	0	0	0	0
9900000001	37	57	37	23	266	102	11	9	17	23
Month Tot	51	3544	50	557	318	2426	18	1064	18	158
Y-T-D Tot	325	15429	336	2460	1026	6828	208	3793	30	4739
NC YTD Tot*	26	6954	12	1297	24	2111	2	446	3	135

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools – April 92

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	10	524	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	4	371	0	0	1	98
200010	0	0	0	0	0	0	0	0	1	103
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	2	168
110030	1	45	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	3	540
190030	0	0	0	0	0	0	0	0	5	48
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	1	8	0	0	2	25
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	3	737
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	1	64	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	1	17
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	4	16
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	1	119	0	0	0	0	0	0	2	47
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	4	29
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	4	68
700020	0	0	0	0	0	0	0	0	2	60
700080	0	0	0	0	0	0	0	0	1	5
8460110080	0	0	0	0	0	0	0	0	4	128
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	5	300	0	0	0	0
210080	0	0	2	581	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	5	76
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	4	25	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	11	126	0	0	8	67
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	1	13	0	0	0	0	1	21
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	5	1620
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	50	0	0	0	0	0	0	0	0
405060	0	0	0	0	10	2231	0	0	0	0
500050	0	0	0	0	0	0	0	0	1	14
500090	0	0	25	427	22	396	1	11	10	162
9000000001	0	0	10	87	7	190	0	0	6	157
9800000001	0	0	3	21	3	365	0	0	121	1258
9900000001	75	63	175	93	66	65	19	11	950	268
Month Tot	77	278	226	1746	134	4140	20	22	1146	5731
Y-T-D Tot	319	3999	1198	15452	593	17984	178	454	4289	20838
NC YTD Tot*	5	1510	45	3548	45	7282	0	0	61	7568

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - April 92

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	6	370	0	0	0	0	0	0	0	0
8457100015	0	0	2	235	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	1	108	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	6	1470
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	3	151
190090	0	0	0	0	0	0	1	3	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	2	33	0	0	0	0
610080	0	0	1	80	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	2	78	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	6	66	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	1	3	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	2	248	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	2	62
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	1	5	0	0	2	27
900060	0	0	0	0	0	0	0	0	0	0
900080	1	7	2	14	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	10	33	0	0	0	0	0	0	7	42
9000000001	1	16	7	41	2	12	0	0	3	69
9800000001	17	15	5	230	1	7	5	63	5	62
9900000001	39	16	185	109	17	10	11	11	59	60
Month Tot	76	705	203	712	32	318	17	77	87	1942
Y-T-D Tot	222	2112	1106	3355	182	449	181	2928	576	8179
NC YTD Tot*	20	1255	8	882	0	0	8	2294	25	6611

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - April 92

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	2	221
8457100015	0	0	1	143	0	0	0	0	0	0
100025	0	0	1	374	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	1	84	0	0	0	0	0	0	0	0
200010	0	0	1	138	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	2	320	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	3	64	1	36
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	1	5
911060	0	0	0	0	0	0	0	0	1	84
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	1	29	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	1	26	1	38
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	2	10	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	1	28	0	0	0	0	21	623
610080	0	0	1	74	0	0	0	0	1	121
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	1	3	3	9
8460110080	0	0	0	0	0	0	0	0	2	42
190010	1	19	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	1	95
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	2	106	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	6	73	0	0	0	0	0	0	1	7
900060	0	0	0	0	0	0	0	0	0	0
900080	1	4	4	136	0	0	13	141	17	175
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	1	172	0	0	0	0	9	1363
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	6	56	0	0	0	0	7	135
9000000001	3	70	6	135	0	0	4	36	11	125
9800000001	0	0	74	810	0	0	1	33	34	732
9900000001	463	35	243	69	0	0	137	87	660	722
Month Tot	475	285	346	2598	0	0	160	389	773	4535
Y-T-D Tot	1568	1242	994	7130	0	0	1420	2135	3228	17701
NC YTD Tot*	6	553	30	3689	0	0	7	404	39	2722

Please see notes on last page of the metal forming section.

A3179-3

AMT
The Association For
Manufacturing Technology
Founded 1902 as National Machine Tool Builders' Association

Direct Dial: (703) 827-5260

REPORT

STATISTICAL

No. 67-92 August 5, 1992

U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY – MAY 1992

(values in millions of U.S. dollars)

	May 1992	Apr. 1992	Average Feb.-Apr.	YTD Total'92	YTD Total'91	% Change 1991-1992
METAL CUTTING MACHINE TOOLS						
Exports	$ 51.5	$ 45.1	$ 43.6	$231.4	$254.8	(9.2%)
Imports	$113.7	$135.2	$116.9	$599.4	$715.0	(16.2%)
Balance	($ 62.2)	($ 90.1)	($ 73.3)	($368.0)	($460.2)	(20.0%)
METAL FORMING MACHINE TOOLS						
Exports	$ 39.9	$ 41.0	$ 41.4	$200.2	$191.3	4.7%
Imports	$ 48.8	$ 47.3	$ 39.0	$215.2	$259.5	(17.1%)
Balance	($ 8.9)	($ 6.3)	$ 2.4	($ 15.0)	($ 68.2)	(78.0%)
MACHINE TOOL TOTAL						
Exports	$ 91.4	$ 86.1	$ 85.1	$431.6	$446.1	(3.3%)
Imports	$162.5	$182.5	$155.9	$814.6	$974.5	(16.4%)
Balance	($ 71.1)	($ 96.4)	($ 70.8)	($383.0)	($528.4)	(27.5%)
NUMERICALLY CONTROLLED MACHINE TOOLS						
Exports	$ 26.7	$ 23.2	$ 23.4	$124.0	$148.7	(16.6%)
Imports	$ 70.9	$101.0	$ 85.7	$417.6	$510.8	(18.2%)
Balance	($ 44.2)	($ 77.8)	($ 62.3)	($293.6)	($362.1)	(18.9%)
OTHER MANUFACTURING TECHNOLOGY						
Exports	$163.6	$147.7	$149.3	$756.7	$693.9	9.1%
Imports	$162.8	$168.8)	$157.1	$781.9	$869.5	(10.1%)
Balance	$ 0.8	($ 21.1)	($ 7.8)	($ 25.2)	($175.6)	(85.6%)

Note: Numerically controlled machine tools is a subgroup of the machine tool total. ( ) denotes negative. NM = not meaningful. Individual items may not add up to totals due to rounding.

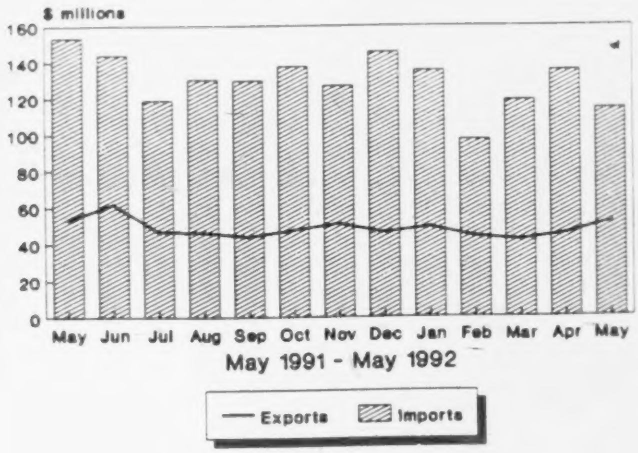
- U.S. machine tool exports in May totalled $91.4 million, up from $86.1 million in April. Year-to-date exports are down 3.3% from last year at $431.6 million.

- U.S. machine tool imports fell to $162.5 million in May from $182.5 million in April. Year-to-date imports are down 16% from last year.

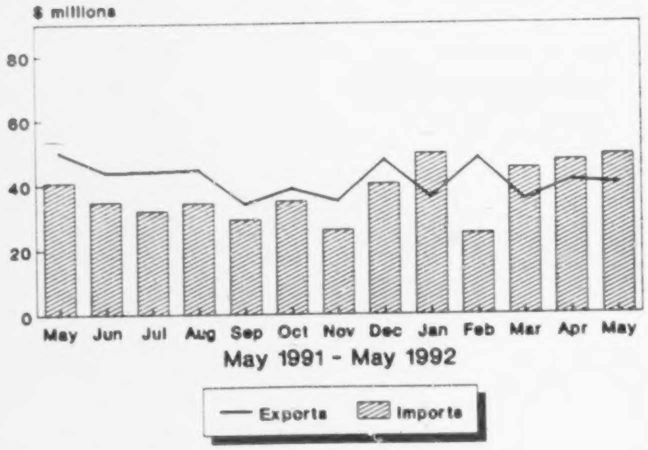
- The top U.S. export market in 1992 through May is Canada at $72.9 million, up 30% over last year at this time, followed by Mexico at $65.0 million, up 50%. The top source of imports is Japan at $393.2 million, down 10% from last year, followed by Germany ($156.7 million, down 28%).

U.S. MONTHLY TRADE IN MACHINE TOOLS

METAL CUTTING



METAL FORMING



METAL CUTTING MACHINE TOOLS

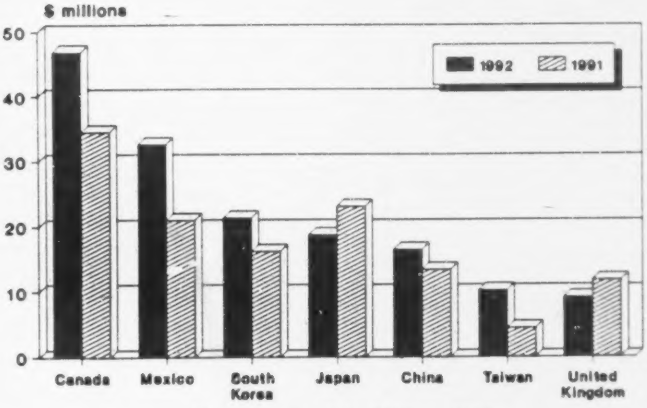
Exports

- Metal cutting exports in May rose to $51.5 million, 18% higher than the average for the previous three months. Year-to-date metal cutting exports are down 9% from last year.

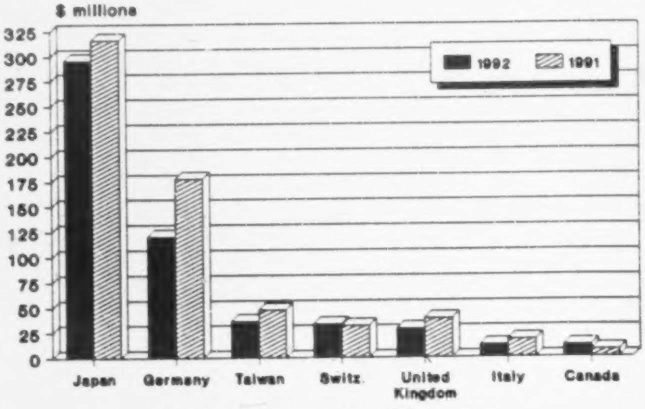
- Year-to-date exports to the top three markets -- Canada, Mexico and South Korea -- are all up more than 30% over last year. Year-to-date exports to Japan are down 19% to $18.7 million, while exports to Germany are down 74% to $8.7 million.

- Year-to-date exports of machining centers are down 27% in value terms from last year; exports of grinding machines are down 13%.

LEADING U.S. EXPORT MARKETS
METAL CUTTING MACHINES



LEADING U.S. IMPORT SOURCES
METAL CUTTING MACHINES



Imports

- Metal cutting imports fell from $135.2 million in April to $113.7 million in May. The February to April average is $116.9 million. Year-to-date imports of metal cutting machines are $599.4 million, down 16% from last year.

- So far in 1992 Japan accounts for 49% of all U.S. metal cutting machine tool imports, up from 44% last year at this time. Germany accounts for 20% this year, down from 25% last year at this time.

- Imports of machining centers in 1992 through May are up 14% in value terms over last year; imports of NC horizontal lathes are down 13%. Imports of non-NC lathes are down 36% from last year.

METAL FORMING MACHINE TOOLS

Exports

- Exports of metal forming machines fell slightly in May to $39.9 million; the yearly average is $40.0 million. Year-to-date exports of $200.2 millon are up 5% over last year.

- Combined, Canada and Mexico account for 29% of all metal forming exports in 1992 through May, up from 23% at the same time in 1991. So far this year, metal forming exports to Mexico are up 44%; exports to Canada are up 20%.

- Exports of presses so far in 1992 are up 28% in value terms but down 20% in unit terms; exports of punching or shearing machines are up 5% in both value and unit terms versus the comparable period in 1991.

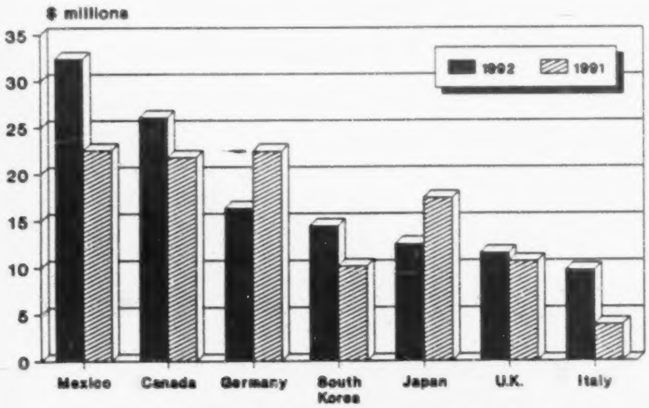
Imports

- Imports of metal forming machines rose to $48.8 million in May, up from $47.3 million in April. Year-to-date imports are down 17% from last year at $215.2 million.

- Year-to-date metal forming imports from Japan are down 19% from last year to $97.7 million. So far in 1992, Japan accounts for 45% of total imports -- down from 47% last year.

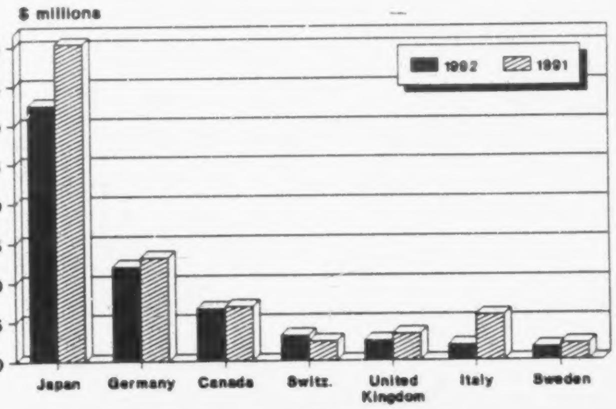
- Imports of presses through May are up 74% in unit terms but down 53% in value terms. Imports of punching or shearing machines are up 19% in unit terms and up 68% in value terms compared with last year at this time.

LEADING U.S. EXPORT MARKETS
METAL FORMING MACHINES



May year-to-date 1992 vs. 1991

LEADING U.S. IMPORT SOURCES
METAL FORMING MACHINES



May year-to-date 1992 vs. 1991

OTHER MANUFACTURING TECHNOLOGY

Exports

- Year-to-date exports of machine tool parts and accessories are $313.5 million, up from $276.0 million last year. Exports of numerical controls for controlling machine tools are $10.8 million so far in 1992, up from $9.6 million last year.

- Exports of industrial robots for lifting, loading or unloading are $6.0 million so far in 1992, up from $1.6 million in 1991 at this time. Exports of other industrial robots are $26.7 million this year, up from $26.3 million last year at this time.

Imports

- Imports of numerical controls for controlling machine tools are $12.1 million in 1992 through May, down from $14.5 million at the same time in 1991. Imports of machine tool parts and accessories are $224.2 million, down from $233.4 million last year.

- Imports of blow molding machines are $27.1 million in 1992 through May, compared with $24.1 million last year at this time. Imports of injection molding machines are $161.7 million, up from $139.6 million last year.

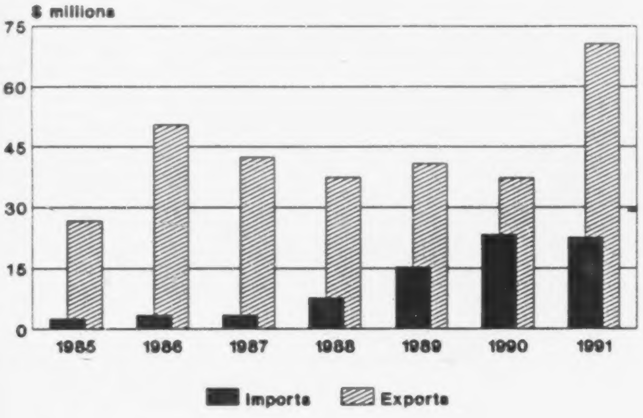
MONTHLY FOCUS

In recent years, China has become a major U.S. machine tool export market: in 1991, U.S. exports to China were $70.7 million (sixth highest of any country); exports in 1992 through May are $24.1 million.

China has also become a significant source of U.S. machine tool imports. Imports from China were relatively low until the late 1980s: imports from China rose from just $3.4 million in 1987 to $23.3 million in 1990 and $22.5 million in 1991, and are on pace to reach $20 million in 1992.

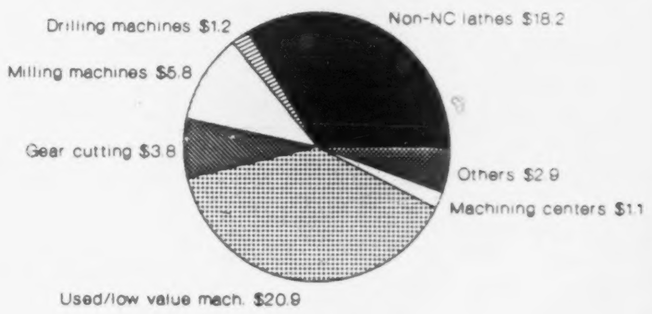
The chart on the left below shows U.S. machine tool exports to and imports from China in recent years. The chart on the right breaks down U.S. imports from China since 1990 by type of machine. Metal cutting machines, and especially very low value machines and non-NC lathes, make up most of U.S. machine tool imports from China.

U.S. Machine Tool Trade With China
1985-1991



Source: U.S. Bureau of the Census

U.S. Machine Tool Imports From China
January 1990-May 1992
(millions of dollars)



Source: U.S. Bureau of the Census

1992 EXPORTS

METAL CUTTING

COUNTRY	MAY'92	APR'92	% CHANGE	MAY'92 YTD	MAY'91 YTD	% CHANGE
Canada	$11,997,196	$11,976,911	0.2%	$46,861,842	$34,505,029	35.8%
Mexico	11,747,847	5,730,529	105.0%	32,585,378	20,938,279	55.6%
South Korea	3,337,245	4,140,113	-19.4%	21,321,676	16,187,084	31.7%
Japan	3,280,247	1,746,002	87.9%	18,731,993	23,082,953	-18.8%
China	1,022,871	3,544,037	-71.1%	16,451,610	13,403,995	22.7%
Taiwan	2,010,056	1,942,127	3.5%	10,189,157	4,442,812	129.3%
United Kingdom	2,025,861	2,598,053	-22.0%	9,156,332	11,768,003	-22.2%
Germany	1,920,639	2,426,100	-20.8%	8,749,077	33,090,639	-73.6%
Italy	3,767,427	277,648	1256.9%	7,766,284	6,504,754	19.4%
Indonesia	648,562	157,918	310.7%	5,387,958	1,294,474	316.2%
Singapore	1,766,431	712,008	148.1%	5,121,642	2,869,274	78.5%
Brazil	151,001	368,771	-59.1%	4,276,165	4,701,124	-9.0%
India	184,960	1,063,581	-82.6%	3,978,065	5,700,612	-30.2%
France	1,048,839	557,133	88.3%	3,508,928	9,707,346	-63.9%
Switzerland	70,474	76,912	-8.4%	2,998,244	2,595,202	15.5%
Netherlands	857,867	705,491	21.6%	2,969,683	3,014,106	-1.5%
Venezuela	578,913	388,838	48.9%	2,774,013	5,361,519	-48.3%
Australia	252,782	259,026	-2.4%	1,777,190	2,023,899	-12.2%
Spain	1,151,406	318,327	261.7%	1,600,229	989,245	61.8%
Austria	130,000	768,847	-83.1%	1,404,259	493,514	184.5%
Thailand	159,279	285,170	-44.1%	1,401,716	1,582,976	-11.5%
Belgium	113,479	476,902	-76.2%	898,155	5,573,171	-83.9%
Malaysia	20,052	21,686	-7.5%	474,208	1,325,781	-64.2%
USSR	0	0	NA	0	15,196,490	-100.0%

METAL FORMING

COUNTRY	MAY'92	APR'92	% CHANGE	MAY'92 YTD	MAY'91 YTD	% CHANGE
Mexico	$5,500,607	$5,205,283	5.7%	$32,382,976	$22,497,730	43.9%
Canada	3,689,562	5,944,693	-37.9%	26,065,167	21,747,722	19.9%
Germany	2,542,395	4,762,148	-46.6%	16,311,692	22,422,571	-27.3%
South Korea	2,914,676	2,042,752	42.7%	14,450,799	10,113,066	42.9%
Japan	2,107,682	2,383,709	-11.6%	12,493,093	17,398,578	-28.2%
United Kingdom	4,246,303	561,572	656.1%	11,492,379	10,641,734	8.0%
Italy	4,992,087	3,453,261	44.6%	9,707,040	3,872,035	150.7%
France	749,904	1,459,624	-48.6%	7,860,360	10,216,002	-23.1%
China	3,524,738	2,822,059	24.9%	7,599,182	15,996,099	-52.5%
Belgium	100,859	478,378	-78.9%	7,397,515	793,494	832.3%
Taiwan	1,330,622	1,535,942	-13.4%	6,783,073	4,148,019	63.5%
Singapore	1,082,124	2,379,870	-54.5%	5,076,107	2,997,507	69.3%
Thailand	340,864	1,342,969	-74.6%	4,666,256	2,266,967	105.8%
Brazil	1,252,603	853,557	46.8%	4,168,596	2,751,463	51.5%
Venezuela	443,788	839,255	-47.1%	2,346,732	817,329	187.1%
Netherlands	694,022	584,103	18.8%	1,949,851	5,835,527	-66.6%
Switzerland	94,217	61,730	52.6%	1,547,854	1,187,315	30.4%
Spain	226,665	332,644	-31.9%	1,057,606	738,502	43.2%
Malaysia	77,551	129,175	-40.0%	1,014,472	810,141	25.2%
Austria	165,778	290,982	-43.0%	975,387	187,657	419.8%
Australia	265,142	126,921	108.9%	918,939	1,373,650	-33.1%
Indonesia	210,553	0	NA	800,583	3,329,686	-76.0%
India	45,265	177,341	-74.5%	594,900	677,633	-12.2%
USSR	121,799	0	NA	243,542	0	NA

MACHINE TOOL TOTAL

COUNTRY	MAY'92	APR'92	% CHANGE	MAY'92 YTD	MAY'91 YTD	% CHANGE
Canada	$15,686,758	$17,921,604	-12.5%	$72,927,009	$56,252,751	29.6%
Mexico	17,248,454	10,935,812	57.7%	64,968,354	43,436,009	49.6%
South Korea	6,251,921	6,182,865	1.1%	35,772,475	26,300,150	36.0%
Japan	5,387,929	4,129,711	30.5%	31,225,086	40,481,531	-22.9%
Germany	4,463,034	7,188,248	-37.9%	25,060,769	55,513,210	-54.9%
China	4,547,609	6,366,096	-28.6%	24,050,792	29,400,094	-18.2%
United Kingdom	6,272,164	3,159,625	98.5%	20,648,711	22,409,737	-7.9%
Italy	8,759,514	3,730,909	134.8%	17,473,324	10,376,789	68.4%
Taiwan	3,340,678	3,478,069	-4.0%	16,972,230	8,590,831	97.6%
France	1,798,743	2,016,757	-10.8%	11,369,288	19,923,348	-42.9%
Singapore	2,848,555	3,091,878	-7.9%	10,197,749	5,866,781	73.8%
Brazil	1,403,604	1,222,328	14.8%	8,444,761	7,452,587	13.3%
Belgium	214,338	955,280	-77.6%	8,295,670	6,366,665	30.3%
Indonesia	859,115	157,918	444.0%	6,188,541	4,624,160	33.8%
Thailand	500,143	1,628,139	-69.3%	6,067,972	3,849,943	57.6%
Venezuela	1,022,701	1,228,093	-16.7%	5,120,745	6,178,848	-17.1%
Netherlands	1,551,889	1,289,594	20.3%	4,919,534	8,849,633	-44.4%
India	230,225	1,240,922	-81.4%	4,572,965	6,378,245	-28.3%
Switzerland	164,691	138,642	18.8%	4,546,098	3,782,517	20.2%
Australia	517,924	385,947	34.2%	2,696,129	3,397,549	-20.6%
Spain	1,378,071	650,971	111.7%	2,657,835	1,727,747	53.8%
Austria	295,778	1,059,829	-72.1%	2,379,646	681,171	249.3%
Malaysia	97,603	150,861	-35.3%	1,488,680	2,135,922	-30.3%
USSR	121,799	0	NA	243,542	15,196,490	-98.4%

1992 IMPORTS

METAL CUTTING

COUNTRY	MAY'92	APR'92	% CHANGE	MAY'92 YTD	MAY'91 YTD	% CHANGE
Japan	$50,438,766	$71,678,655	-29.6%	$295,587,862	$316,118,713	-6.5%
Germany	28,685,915	28,758,177	-0.3%	120,677,062	177,720,894	-32.1%
Taiwan	6,496,502	6,864,645	-5.4%	36,398,465	47,598,447	-23.5%
Switzerland	6,706,298	8,273,724	-18.9%	33,508,422	31,880,482	5.1%
United Kingdom	6,370,144	4,253,230	49.8%	28,906,457	38,869,777	-25.6%
Italy	2,606,447	1,615,517	61.3%	12,145,207	17,510,018	-30.6%
Canada	3,961,020	1,319,432	200.2%	12,033,160	7,229,594	66.4%
South Korea	936,373	1,209,482	-22.6%	8,816,020	7,478,567	17.9%
Spain	789,616	4,099,397	-80.7%	7,984,511	9,966,997	-19.9%
Singapore	1,115,324	1,347,981	-17.3%	7,589,211	4,325,435	75.5%
France	723,466	697,288	3.8%	3,833,765	8,957,188	-57.2%
Sweden	739,272	135,525	445.5%	3,232,537	11,436,495	-71.7%
Brazil	319,696	764,007	-58.2%	2,918,401	3,732,272	-21.8%
Belgium	0	20,000	-100.0%	194,102	1,293,172	-85.0%

METAL FORMING

COUNTRY	MAY'92	APR'92	% CHANGE	MAY'92 YTD	MAY'91 YTD	% CHANGE
Japan	$13,686,007	$24,845,571	-44.9%	$97,656,941	$121,036,262	-19.3%
Germany	6,469,714	8,130,811	-20.4%	36,070,162	39,353,827	-8.3%
Canada	3,709,631	4,694,768	-21.0%	20,070,571	20,737,313	-3.2%
Switzerland	2,213,622	1,291,535	71.4%	9,674,599	7,370,948	31.3%
United Kingdom	3,471,393	1,219,145	184.7%	7,775,662	10,181,375	-23.6%
Italy	1,559,012	1,500,186	3.9%	5,938,077	17,238,427	-65.6%
Sweden	2,333,830	382,482	510.2%	5,038,933	6,268,985	-19.6%
Belgium	317,585	537,738	-40.9%	3,723,915	4,464,138	-16.6%
France	517,628	871,301	-40.6%	3,289,593	991,754	231.7%
Taiwan	411,253	819,702	-49.8%	3,199,163	2,966,626	7.8%
South Korea	1,039,872	219,859	373.0%	1,530,070	363,335	321.1%
Spain	92,307	411,991	-77.6%	1,228,688	1,256,159	-2.2%
Singapore	0	11,500	-100.0%	11,500	300,254	-96.2%
Brazil	0	0	NA	9,051	19,696,889	-100.0%

MACHINE TOOL TOTAL

COUNTRY	MAY'92	APR'92	% CHANGE	MAY'92 YTD	MAY'91 YTD	% CHANGE
Japan	$64,124,773	$96,524,226	-33.6%	$393,244,803	$437,154,975	-10.0%
Germany	35,155,629	36,888,988	-4.7%	156,747,224	217,074,721	-27.8%
Switzerland	8,919,920	9,565,259	-6.7%	43,183,021	39,251,430	10.0%
Taiwan	6,907,755	7,684,347	-10.1%	39,597,628	50,565,073	-21.7%
United Kingdom	9,841,537	5,472,375	79.8%	36,682,119	49,051,152	-25.2%
Canada	7,670,651	6,014,200	27.5%	32,103,731	27,966,907	14.8%
Italy	4,165,459	3,115,703	33.7%	18,083,284	34,748,445	-48.0%
South Korea	1,976,245	1,429,341	38.3%	10,346,090	7,841,902	31.9%
Spain	881,923	4,511,388	-80.5%	9,213,199	11,223,156	-17.9%
Sweden	3,073,102	518,007	493.3%	8,271,470	17,705,480	-53.3%
Singapore	1,115,324	1,359,481	-18.0%	7,600,711	4,625,689	64.3%
France	1,241,094	1,568,589	-20.9%	7,123,358	9,948,942	-28.4%
Belgium	317,585	557,738	-43.1%	3,918,017	5,757,310	-31.9%
Brazil	319,696	764,007	-58.2%	2,927,452	23,429,161	-87.5%

1992 U.S. EXPORTS
BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1992		FEBRUARY 1992		MARCH 1992		APRIL 1992	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	5,316	$11,265,820	5,422	$19,598,877	6,557	$15,515,671	6,715	$16,608,085
Boring machines	4	111,194	13	355,020	22	1,051,530	5	982,348
Drilling machines	46	2,480,904	77	1,808,417	144	1,028,066	50	610,942
Gear cutting machines	16	2,952,428	14	3,352,752	11	1,838,305	21	3,859,988
Grinding machines	296	11,067,320	248	6,487,757	298	7,112,597	195	6,333,052
NC horizontal lathes	22	4,786,634	16	2,123,339	22	2,483,249	21	3,845,252
NC vertical lathes	1	170,620	7	1,895,200	3	314,112	4	820,590
Non-NC lathes	44	3,333,427	36	1,234,899	39	866,194	28	775,663
Milling machines	35	6,163,478	43	5,628,228	43	4,140,783	46	2,783,629
Machining centers	18	4,153,920	43	2,912,384	26	3,823,849	20	4,144,535
Station type machines	2	689,332	24	3,705,541	5	6,212,800	5	679,025
Other metal cutting machines	191	5,028,354	261	7,372,840	260	5,534,794	296	7,665,317
Punching & shearing machines	75	2,962,166	120	6,014,865	92	4,643,641	135	4,669,531
Bending & forming machines	154	5,495,473	156	8,763,283	161	6,961,257	151	6,267,058
Presses	98	7,968,219	112	6,395,734	96	6,397,621	127	11,367,450
Forging machines	18	4,823,312	20	1,352,893	11	1,504,192	24	3,767,744
Other metal forming machines	221	11,490,938	324	12,788,805	320	7,847,518	198	10,936,704
MACHINE TOOL TOTAL	6,557	84,943,539	6,936	91,790,834	8,110	77,276,179	8,041	86,116,913

PRODUCT TYPES	MAY 1992		MAY'92 YTD		MAY 1991		MAY'91 YTD	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	5,675	$14,631,339	29,685	$77,619,792	5,847	$14,473,978	27,701	$64,783,928
Boring machines	8	625,445	52	3,125,537	9	811,684	42	5,346,314
Drilling machines	37	404,865	354	6,333,194	81	1,767,423	449	10,103,514
Gear cutting machines	18	4,893,063	80	16,896,536	39	6,598,232	114	28,037,783
Grinding machines	316	8,690,095	1,353	39,690,821	285	9,241,644	1,389	45,365,200
NC horizontal lathes	21	3,217,185	102	16,455,659	19	1,914,295	134	15,473,837
NC vertical lathes	0	0	15	3,200,522	9	592,211	19	1,556,230
Non-NC lathes	60	1,894,668	207	8,104,851	45	1,357,057	226	5,759,344
Milling machines	28	1,384,138	195	20,100,256	57	5,134,958	196	16,037,460
Machining centers	28	2,886,287	135	17,920,975	37	5,715,931	136	24,570,231
Station type machines	18	12,100,629	54	23,387,327	4	3,143,769	24	29,938,839
Other metal cutting machines	348	6,377,535	1,356	31,978,840	341	8,257,118	1,430	36,217,726
Punching & shearing machines	145	7,422,484	567	25,712,687	111	5,445,644	540	24,594,544
Bending & forming machines	161	8,033,223	783	35,520,294	108	5,331,914	565	28,599,028
Presses	194	8,034,806	627	40,163,830	96	6,098,800	781	31,361,927
Forging machines	18	1,845,378	91	13,293,519	40	4,435,634	102	17,320,492
Other metal forming machines	155	8,986,110	1,218	52,050,075	223	22,718,552	1,140	61,024,369
MACHINE TOOL TOTAL	7,230	91,427,250	36,874	431,554,715	7,351	103,038,844	34,988	446,090,766

1992 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	% CHANGE APR'92–MAY'92 Units	% CHANGE APR'92–MAY'92 Value	% CHANGE MAY'91–MAY'92 Units	% CHANGE MAY'91–MAY'92 Value	% CHANGE YTD'91–YTD'92 Units	% CHANGE YTD'91–YTD'92 Value
Used & rebuilt & under $3,025	-15.5%	-11.9%	-2.9%	1.1%	7.2%	19.8%
Boring machines	60.0%	-36.3%	-11.1%	-22.9%	23.8%	-41.5%
Drilling machines	-26.0%	-33.7%	-54.3%	-77.1%	-21.2%	-37.3%
Gear cutting machines	-14.3%	26.8%	-53.8%	-25.8%	-29.8%	-39.7%
Grinding machines	62.1%	37.2%	10.9%	-6.0%	-2.6%	-12.5%
NC horizontal lathes	0.0%	-16.3%	10.5%	68.1%	-23.9%	6.3%
NC vertical lathes	-100.0%	-100.0%	-100.0%	-100.0%	-21.1%	105.7%
Non-NC lathes	114.3%	144.3%	33.3%	39.6%	-8.4%	40.7%
Milling machines	-39.1%	-50.3%	-50.9%	-73.0%	-0.5%	25.3%
Machining centers	40.0%	-30.4%	-24.3%	-49.5%	-0.7%	-27.1%
Station type machines	260.0%	1682.1%	350.0%	284.9%	125.0%	-21.9%
Other metal cutting machines	17.6%	-16.8%	2.1%	-22.8%	-5.2%	-11.7%
Punching & shearing machines	7.4%	59.0%	30.6%	36.3%	5.0%	4.5%
Bending & forming machines	6.6%	28.2%	49.1%	50.7%	38.6%	24.2%
Presses	52.8%	-29.3%	102.1%	31.7%	-19.7%	28.1%
Forging machines	-25.0%	-51.0%	-55.0%	-58.4%	-10.8%	-23.2%
Other metal forming machines	-21.7%	-17.8%	-30.5%	-60.4%	6.8%	-14.7%
MACHINE TOOL TOTAL	-10.1%	6.2%	-1.6%	-11.3%	5.4%	-3.3%
			0.0%	0.0%		

1992 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1992 Units	JANUARY 1992 Value	FEBRUARY 1992 Units	FEBRUARY 1992 Value	MARCH 1992 Units	MARCH 1992 Value	APRIL 1992 Units	APRIL 1992 Value
Used & rebuilt & under $3,025	94,127	$12,280,602	81,661	$11,946,493	71,929	$14,045,979	84,774	$11,587,883
Boring machines	25	3,463,952	36	989,787	45	3,737,653	26	4,588,124
Drilling machines	97	4,705,463	104	2,226,497	36	2,753,876	62	3,198,537
Gear cutting machines	37	6,172,007	4	649,747	23	1,307,398	26	6,552,810
Grinding machines	512	27,479,836	361	11,708,165	475	16,761,975	471	16,109,963
NC horizontal lathes	153	15,234,824	285	26,313,185	235	23,072,156	195	17,708,086
NC vertical lathes	16	1,194,631	4	987,274	18	4,031,865	9	3,892,886
Non-NC lathes	207	3,386,097	249	4,832,824	242	4,680,480	363	4,759,828
Milling machines	138	4,406,171	198	2,995,701	244	3,330,393	154	5,797,535
Machining centers	200	22,852,787	215	23,855,068	227	27,699,714	201	45,488,842
Station type machines	18	19,481,908	12	2,219,038	9	1,337,261	11	2,415,601
Other metal cutting machines	280	16,298,473	264	10,069,462	284	18,240,822	278	15,889,936
Punching & shearing machines	100	7,476,279	99	5,200,811	75	5,203,477	144	8,147,610
Bending & forming machines	151	11,974,223	125	4,205,804	147	6,328,325	151	6,424,005
Presses	101	15,951,346	598	3,793,878	364	7,021,117	361	8,270,967
Forging machines	104	2,006,697	166	1,340,569	45	17,634,877	133	13,299,820
Other metal forming machines	151	10,016,946	125	8,391,681	228	6,298,417	187	8,374,858
MACHINE TOOL TOTAL	96,417	184,382,242	84,506	121,725,984	74,626	163,485,785	87,546	182,507,291

PRODUCT TYPES	MAY 1992 Units	MAY 1992 Value	MAY'92 YTD Units	MAY'92 YTD Value	MAY 1991 Units	MAY 1991 Value	MAY'91 YTD Units	MAY'91 YTD Value
Used & rebuilt & under $3,025	79,166	$18,808,253	411,657	$68,669,210	61,461	$13,487,177	383,409	$73,513,482
Boring machines	24	943,461	156	13,722,977	53	7,001,111	295	25,804,388
Drilling machines	49	1,295,026	348	14,179,399	79	6,287,879	499	22,423,661
Gear cutting machines	16	3,349,701	106	18,031,663	93	5,312,326	199	26,715,353
Grinding machines	386	17,789,460	2,205	89,849,399	515	14,511,571	2,690	102,343,806
NC horizontal lathes	214	20,593,605	1,082	102,921,856	197	20,692,781	1,130	117,894,643
NC vertical lathes	2	581,745	49	10,688,401	2	1,159,139	50	11,327,083
Non-NC lathes	318	5,138,132	1,379	22,797,361	442	10,258,079	2,133	35,419,472
Milling machines	214	5,538,178	948	22,067,978	226	5,441,990	1,512	35,429,255
Machining centers	176	21,438,242	1,019	141,334,653	194	22,775,311	1,019	124,371,610
Station type machines	18	10,511,806	68	35,965,614	21	31,098,633	73	78,342,442
Other metal cutting machines	297	10,768,201	1,403	71,266,894	250	18,390,133	1,487	75,870,512
Punching & shearing machines	85	10,178,018	503	36,206,195	109	4,442,498	424	21,542,827
Bending & forming machines	149	4,929,111	723	33,861,468	124	7,388,462	766	34,972,847
Presses	209	9,501,579	1,633	44,538,887	301	9,718,955	938	95,429,880
Forging machines	62	16,348,004	510	50,629,967	152	6,220,779	353	26,017,584
Other metal forming machines	116	4,791,201	807	37,873,103	172	10,036,703	1,208	65,315,130
MACHINE TOOL TOTAL	81,501	162,503,723	424,596	814,605,025	64,391	194,223,527	398,185	972,733,975

1992 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	% CHANGE APR'92–MAY'92		% CHANGE MAY'91–MAY'92		% CHANGE YTD'91–YTD'92	
	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	-6.6%	62.3%	28.8%	39.5%	7.4%	-6.6%
Boring machines	-7.7%	-79.4%	-54.7%	-86.5%	-47.1%	-46.8%
Drilling machines	-21.0%	-59.5%	-38.0%	-79.4%	-30.3%	-36.8%
Gear cutting machines	-38.5%	-48.9%	-82.8%	-36.9%	-46.7%	-32.5%
Grinding machines	-18.0%	10.4%	-25.0%	22.6%	-18.0%	-12.2%
NC horizontal lathes	9.7%	16.3%	8.6%	-0.5%	-4.2%	-12.7%
NC vertical lathes	-77.8%	-85.1%	0.0%	-49.8%	-2.0%	-5.6%
Non-NC lathes	-12.4%	7.9%	-28.1%	-49.9%	-35.3%	-35.6%
Milling machines	39.0%	-4.5%	-5.3%	1.8%	-37.3%	-37.7%
Machining centers	-12.4%	-52.9%	-9.3%	-5.9%	0.0%	13.6%
Station type machines	63.6%	335.2%	-14.3%	-66.2%	-6.8%	-54.1%
Other metal cutting machines	6.8%	-32.2%	18.8%	-41.4%	-5.6%	-6.1%
Punching & shearing machines	-41.0%	24.9%	-22.0%	129.1%	18.6%	68.1%
Bending & forming machines	-1.3%	-23.3%	20.2%	-33.3%	-5.6%	-3.2%
Presses	-42.1%	14.9%	-30.6%	-2.2%	74.1%	-53.3%
Forging machines	-53.4%	22.9%	-59.2%	162.8%	44.5%	94.6%
Other metal forming machines	-38.0%	-42.8%	-32.6%	-52.3%	-33.2%	-42.0%
MACHINE TOOL TOTAL	-6.9%	-11.0%	26.6%	-16.3%	6.6%	-16.3%

U.S. EXPORTS
Metal Cutting Machine Tools - May 92

RELEASED: August 5, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	73	5115	14	1162
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	27	2742	4	530
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	9	1718	1	235
100035	Horizontal machining centers, ATC	14	3738	0	0
100045	Machining centers, n.e.c.	85	9723	23	2121
200010	Unit construction mach. (single station transfer), NC	4	1394	0	0
200090	Unit construction mach. (single station transfer), non-NC	8	5850	7	5752
300010	Multi-station transfer machines, NC	9	6557	8	5968
300090	Multi-station transfer machines, non-NC	27	8862	3	380
8458110010	Horizontal lathes, multiple spindle, NC	27	2530	7	765
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	42	5710	8	1431
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	20	4425	5	593
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	13	3790	1	428
190030	Horizontal engine or toolroom lathes, non-NC	19	482	2	166
190050	Automatic bar and/or chucking mach., single spindle, non-NC	4	169	1	16
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	42	1865	27	867
190090	Horizontal lathes, n.e.c., non-NC	106	1435	26	294
911060	Vertical turret lathes, multiple spindle, NC	1	84	0	0
911080	Vertical turret lathes, n.e.c., NC	4	855	0	0
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	10	2261	0	0
991050	Vertical turret lathes, non-NC	9	525	1	235
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	27	3630	3	316
8459100000	Way-type unit head machines	6	724	0	0
210080	Other drilling machines, NC	40	4134	3	173
290040	Drilling machines, multiple spindle, non-NC	6	185	2	57
290050	Drilling machines, radial, non-NC	9	90	0	0
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	3	111	0	0
290090	Drilling machines, n.e.c., non-NC	296	1813	32	174
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	0	0	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	0	0	0	0
310070	Boring-milling machines, n.e.c., NC	13	834	3	142
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	0	0	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	13	229	0	0
400040	Boring machines, vertical, NC	0	0	0	0
400050	Boring machines, vertical, non-NC	15	1087	2	30
400070	Boring machines, n.e.c., NC	2	271	0	0
400080	Boring machines, n.e.c., non-NC	9	704	3	453
510080	Milling machines, knee type, NC	2	1477	0	0
590030	Milling machines, knee type, non-NC	95	3601	8	239
610080	Milling machines, excluding knee type, n.e.c., NC	31	10072	7	574
690050	Milling machines, profile, dup., or die sinking, non-NC	9	668	0	0
690070	Milling machines, bed type, non-NC	1	25	0	0
690090	Milling machines, n.e.c., non-NC	57	4257	13	571
700020	Threading or tapping machines, n.e.c., NC	8	657	2	200
700080	Threading or tapping machines, n.e.c., non-NC	87	1277	10	121
8460110080	Flat surface grinding machines, NC	36	1428	7	248
190010	Flat surface grinding mach., recip.-table type, non-NC	8	96	0	0
190050	Flat surface grinding machines, n.e.c., non-NC	38	5348	11	2583
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	23	5440	2	564
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	9	2782	3	504
290030	Grinding machines, internal cylindrical, non-NC	46	3507	3	72
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	108	6091	24	1439
310080	Sharpening machines (tool & cutter grinding), NC	24	1195	3	83
390050	Sharpening machines (tool & cutter grinding), non-NC	211	1666	37	329
400060	Honing or lapping machines, NC	1	44	0	0
400080	Honing or lapping machines, non-NC	224	2781	81	1078
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	9	1959	4	142
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	616	7354	141	1648
8461100060	Planing machines, NC	3	1752	2	30
100080	Planing machines, non-NC	63	1829	20	261
200010	Shaping or slotting machines, NC	13	451	0	0
200090	Shaping or slotting machines, non-NC	7	253	2	97
300060	Broaching machines, NC	9	1796	1	108
300080	Broaching machines, non-NC	9	1197	1	221
401050	Gear hobbers	6	730	0	0
401070	Gear shapers	9	479	1	39
401090	Gear cutting machines, n.e.c.	43	12260	10	4644
405060	Gear grinding or finishing machines	22	3428	7	210
500050	Sawing or cutting-off machines, NC	30	1632	8	267
500090	Sawing or cutting-off machines, non-NC	529	7130	151	2004
9000000001	Metal cutting machine tools, n.e.c.	525	8889	137	1907
9800000001	Used or rebuilt machine tools	3913	34912	861	7015
9900000001	Machine tools valued at less than $3,025	18899	9266	3485	2042
	Cutting Total			5228	51531
	Y-T-D Cutting Total	26715	231373		
	NC Y-T-D Cutting Total*	625	85550		

Please see notes on last page
of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - May 92

	Australia		Austria		Belgium		Brazil-		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	1	235
100035	0	0	0	0	0	0	0	0	0	0
100045	2	128	0	0	0	0	0	0	4	398
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	5	5448
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	1	47	2	249
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	5	593
110090	0	0	0	0	0	0	0	0	1	428
190030	0	0	0	0	0	0	0	0	1	84
190050	0	0	0	0	0	0	0	0	1	16
190070	0	0	0	0	0	0	0	0	15	280
190090	0	0	0	0	0	0	0	0	3	137
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	17	82
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	2	97	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	1	23	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	2	194
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	2	56
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	2	95	0	0	1	4
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	3	504
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	3	257
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	13	84	10	56
400060	0	0	0	0	0	0	0	0	0	0
400080	1	4	0	0	0	0	0	0	32	337
900060	0	0	0	0	0	0	0	0	3	112
900080	3	22	0	0	0	0	0	0	21	152
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	1	22
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	1	39
401090	1	53	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	7	205
500090	0	0	0	0	0	0	2	10	22	246
9000000001	0	0	1	16	0	0	0	0	40	654
9800000001	3	16	1	18	0	0	0	0	48	989
9900000001	2	6	0	0	29	18	15	10	125	219
Month Tot	13	253	4	130	31	113	31	151	376	11997
Y-T-D Tot	347	1777	25	1404	103	898	291	4276	3197	46862
NC YTD Tot*	6	308	5	1337	4	325	19	2111	140	19089

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - May 92

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	1	51	2	131	0	0	0	0
8457100015	4	530	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	1	90	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	1	100	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	1	139	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	1	11	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	1	40	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	1	6	2	10	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	3	92	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	2	399	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	1	30	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	3	72	0	0	0	0
290050	0	0	1	600	0	0	2	42	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	2	15	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	6	140	0	0	18	211	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	2	13	2	14	8	103	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	1	13	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	1	221	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	1	10	0	0	4	48
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	2	14	12	125	0	0	1	6
9000000001	0	0	0	0	2	26	0	0	20	565
9800000001	0	0	11	237	17	587	0	0	4	29
9900000001	26	28	52	13	79	53	14	11	0	0
Month Tot	40	1023	73	1049	150	1921	20	185	29	649
Y-T-D Tot	365	16452	409	3509	1176	8749	228	3978	59	5388
NC YTD Tot*	31	7574	13	1348	28	2411	6	578	3	135

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - May 92

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	1	32	1	442	0	0	2	112
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	9	1241	0	0	2	53
200010	0	0	0	0	0	0	0	0	0	0
200090	2	304	0	0	0	0	0	0	0	0
300010	1	985	0	0	0	0	0	0	7	4983
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	3	343
110030	0	0	0	0	0	0	0	0	2	199
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	6	173	0	0	0	0	6	415
190090	0	0	0	0	0	0	0	0	10	106
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	1	235
995090	0	0	0	0	0	0	0	0	1	135
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	1	90	0	0	0	0
290040	0	0	0	0	0	0	0	0	2	57
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	3	14	0	0	0	0	0	0	9	62
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	1	45
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	3	453
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	1	139
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	3	62	0	0	0	0	4	20
700020	0	0	0	0	0	0	0	0	2	200
700080	0	0	0	0	0	0	0	0	1	3
8460110080	1	18	3	121	0	0	0	0	1	60
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	1	1081	0	0	1	147
210080	0	0	1	460	0	0	0	0	1	104
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	1	41	0	0	9	305
310080	0	0	0	0	0	0	0	0	2	53
390050	0	0	0	0	4	132	-2	13	2	8
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	1	7	2	87
900060	0	0	0	0	0	0	0	0	0	0
900080	1	7	3	36	5	40	0	0	13	351
8461100060	0	0	0	0	0	0	0	0	2	30
100080	0	0	2	20	1	12	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	1	75	0	0	0	0
300060	0	0	0	0	0	0	0	0	1	108
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	1	1096	4	2100	0	0	0	0	2	216
405060	0	0	0	0	1	90	0	0	1	62
500050	0	0	0	0	0	0	0	0	1	62
500090	3	32	11	196	1	4	0	0	27	243
9000000001	0	0	5	32	2	22	0	0	3	27
9800000001	340	1258	1	25	0	0	0	0	331	1950
9900000001	82	53	101	24	103	68	0	0	898	374
Month Tot	434	3767	141	3280	131	3337	3	20	1354	11748
Y-T-D Tot	753	7766	1339	18732	724	21322	181	474	5643	32585
NC YTD Tot*	7	2513	50	4160	56	9055	0	0	89	14058

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - May 92

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	1	31	6	362
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	5	1094
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	2	30
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	2	50	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	9	1356	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	1	18
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	2	7	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	14	220	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	1	4	3	10	0	0	1	6	3	32
8461100060	0	0	0	0	0	0	0	0	0	0
100080	7	63	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	1	1135	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	37	664	3	23	1	10	1	3	4	33
9000000001	5	61	7	32	0	0	3	16	0	0
9800000001	0	0	4	56	0	0	0	0	8	41
9900000001	25	15	137	70	4	6	57	7	652	400
Month Tot	77	858	177	1766	6	1151	65	70	681	2010
Y-T-D Tot	299	2970	1283	5122	188	1600	246	2998	1257	10189
NC YTD Tot*	22	1297	8	882	0	0	9	2325	36	8066

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - May 92

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	3	102	2	110
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	2	280	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	1	126
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	1	82
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	12	39
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	2	180
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	43
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	1	40	0	0	0	0	4	125
610080	0	0	1	149	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	2	34
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	6	19
8460110080	0	0	1	20	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	7	177
310080	0	0	0	0	0	0	1	30	0	0
390050	0	0	0	0	0	0	0	0	2	13
400060	0	0	0	0	0	0	0	0	0	0
400080	6	55	0	0	0	0	0	0	1	17
900060	0	0	0	0	0	0	0	0	1	30
900080	1	4	4	102	0	0	18	190	52	560
8461100060	0	0	0	0	0	0	0	0	0	0
100080	1	13	4	38	0	0	0	0	4	102
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	1	44
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	1	9	4	46	0	0	0	0	19	339
9000000001	4	25	34	348	0	0	1	15	10	67
9800000001	1	25	30	962	0	0	2	106	60	716
9900000001	87	28	157	39	0	0	393	135	447	465
Month Tot	101	159	238	2026	0	0	418	579	635	3288
Y-T-D Tot	1669	1402	1232	9156	0	0	1838	2774	3863	20989
NC YTD Tot*	6	553	32	3858	0	0	11	536	44	3030

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
May 92

RELEASED: August 5, 1992

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	199	3474	19	1186
8462100030	Headers and upsetters, including cold headers	6	4169	0	0
100050	Forging or die stamping machines, and hammers, n.e.c.	85	9125	18	1845
210080	Bending, folding, straight. or flat. mach., incl presses, NC	224	16317	84	5455
290030	Press brakes, non-NC	74	1840	12	495
290040	Bending rolls, non-NC	25	970	2	21
290050	Bending, folding, straight., or flat., n.e.c., non-NC	460	16392	63	2061
310080	Shearing machines, NC	38	2333	3	151
390050	Shearing machines, non-NC	157	3009	29	606
410080	Punching or notching mach., incl. comb. punch & shear, NC	106	11635	56	3421
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	266	8735	57	3244
910060	Hydraulic presses, NC	22	1063	10	359
910090	Hydraulic presses, non-NC	190	6032	74	2298
990030	Presses, n.e.c., NC	66	7090	11	1239
990040	Presses, mechanical, non-NC	28	2373	6	585
990060	Presses, n.e.c., non-NC	321	23606	93	3554
8463100080	Draw benches for bars, tubes, profiles, wire or the like	73	2255	1	21
200080	Thread rolling machines	13	277	2	9
300080	Machines for working wire	266	8005	45	1493
900080	Metal forming machine tools, n.e.c.	667	38038	88	6278
9800000002	Used or rebuilt machine tools	1164	28723	204	4667
9900000002	Machine tools valued at less than $3,025	5709	4718	1125	907

Forming Total			2002	39896
Y-T-D Forming Total	10159	200182		
NC Y-T-D Forming Total	456	38439		
Cutting and Forming Totals:				
Monthly Total			7230	91427
Y-T-D Total	36874	431555		
NC Y-T-D Total*	1081	123988		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	313478	0	62167
2000000000	Parts for working rubber or plastics - heading 8477	0	103518	0	20631
2710003070	Quenching or cutting oils	0	3022	0	436
8428900010	Industrial robots for lifting, handling, loading or unload	594	6032	14	193
8431390090	Parts industrial robots, handling and loading - heading 8428	0	50598	0	19227
8456100000	Laser, light or photon beam for working any material	150	9253	27	2524
200000	Ultrasonic process for working any material	9	284	3	104
8477106010	Injection molding mach., for rubber or oth. thermosetting	109	9308	25	2100
106070	Injection molding machines, for thermoplastics	257	35712	51	5770
200005	Extruders; rubber or other thermosetting mat., single screw	20	1815	1	66
200015	Extruders; rubber or thermosetting, other incl. multi. screw	63	9415	12	5402
200030	Extruders; thermoplastics, single screw	101	8155	45	2478
200060	Extruders; thermoplastics, other incl. multi. screw	36	3467	7	530
300000	Blow molding machines	335	23759	122	5270
400000	Vacuum-molding and other thermoforming machines	885	7075	156	1222
510010	Machines for molding or retreading pneumatic tires	2448	15174	179	2786
510090	Machines for molding or otherwise forming inner tubes	397	2026	46	210
590000	Machines for molding or otherwise forming n.e.c.	822	11370	136	3099
800000	Machines for working rubber or plastics n.e.c.	1815	40298	552	7635
8479899040	Industrial robots, n.e.c.	2406	26672	522	5947
908040	Industrial robot parts	0	12484	0	2494
8537100030	Numerical controls for controlling machine tools	784	10817	179	2443
9024100000	Machines and appliances for testing metals	0	24159	0	4500
9031100000	Machines for balancing mechanical parts	0	11417	0	2529
300000	Profile projectors	0	1319	0	289
9032810040	Industrial process control instr., hydraulic or pneumatic	177281	16072	36830	3529

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
May 92

Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	6	0	0	0	0	0	0	1	90
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	1	383
210080	0	0	0	0	0	0	0	0	1	49
290030	1	45	0	0	0	0	0	0	1	50
290040	0	0	0	0	0	0	0	0	2	21
290050	0	0	0	0	1	5	0	0	19	601
310080	0	0	0	0	0	0	0	0	0	0
390050	2	6	0	0	0	0	0	0	8	80
410080	0	0	0	0	0	0	4	100	3	244
490050	5	164	0	0	0	0	1	1110	10	91
910060	0	0	0	0	0	0	3	25	1	55
910090	0	0	0	0	2	17	0	0	3	118
990030	0	0	0	0	0	0	0	0	1	61
990040	0	0	0	0	0	0	0	0	1	26
990060	1	31	6	166	0	0	0	0	11	427
8463100080	0	0	0	0	1	21	0	0	0	0
200080	0	0	0	0	0	0	0	0	2	9
300080	0	0	0	0	0	0	1	9	4	22
900080	0	0	0	0	0	0	0	0	16	197
9800000002	0	0	0	0	0	0	0	0	44	996
9900000002	15	14	0	0	68	58	10	8	200	167
Month Tot	25	265	6	166	72	101	19	1253	329	3690
Y-T-D Tot	160	919	73	975	292	7398	224	4169	1457	26065
NC YTD Tot	2	113	0	0	4	154	9	206	54	4774
C&F Month	38	518	10	296	103	214	50	1404	705	15687
C&F Y-T-D	507	2696	98-	2380	395	8296	515	8445	4654	72927
C&F NC YTD*	8	421	5	1337	8	479	28	2317	194	23863

Other Manufacturing Technology

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	1086	0	212	0	629	0	976	0	8617
2000000000	0	553	0	33	0	149	0	281	0	5508
2710003070	0	7	0	0	0	0	0	0	0	68
8428900010	0	0	0	0	0	0	0	0	0	0
8431390090	0	153	0	0	0	19	0	154	0	1522
8456100000	1	58	4	168	0	0	0	0	1	67
200000	0	0	0	0	0	0	0	0	1	61
8477106010	0	0	0	0	0	0	0	0	3	109
106070	0	0	0	0	2	122	0	0	22	3089
200005	0	0	0	0	0	0	0	0	1	66
200015	0	0	0	0	0	0	0	0	10	1371
200030	22	480	0	0	0	0	0	0	0	0
200060	0	0	0	0	1	66	0	0	4	383
300000	2	769	0	0	0	0	0	0	2	71
400000	0	0	0	0	0	0	0	0	60	467
510010	0	0	0	0	0	0	8	79	56	1586
510090	4	19	0	0	0	0	0	0	0	0
590000	1	8	0	0	0	0	0	0	2	146
800000	2	418	0	0	0	0	0	0	52	897
8479899040	1	625	0	0	0	0	0	0	327	1962
908040	0	30	0	0	0	5	0	0	0	773
8537100030	2	17	0	0	2	37	38	488	3	106
9024100000	0	22	0	9	0	142	0	20	0	839
9031100000	0	0	0	0	0	0	0	44	0	473
300000	0	0	0	0	0	0	0	0	0	57
9032810040	2717	158	130	32	852	165	0	0	1923	186

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
May 92

Metal Forming

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	6	1	6	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	2	99	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	2	42	5	25	10	432	0	0	0	0
310080	0	0	0	0	0	0	1	45	0	0
390050	0	0	1	10	0	0	0	0	0	0
410080	0	0	0	0	1	166	0	0	0	0
490050	1	52	0	0	0	0	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	1	74	0	0	10	354	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	1	308	0	0	2	189	0	0	0	0
990060	0	0	2	64	4	940	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	17	5	120	0	0	0	0
900080	14	2982	3	375	3	99	0	0	0	0
9800000002	6	60	14	237	5	87	0	0	9	203
9900000002	0	0	19	16	71	57	0	0	10	8
Month Tot	26	3525	46	750	113	2542	1	45	19	211
Y-T-D Tot	123	7599	226	7860	494	16312	116	595	32	801
NC YTD Tot	16	1747	4	652	7	813	1	45	0	0
C&F Month	66	4548	119	1799	263	4463	21	230	48	859
C&F Y-T-D	488	24051	635	11369	1670	25061	344	4573	91	6189
C&F NC YTD*	47	9321	17	1999	35	3224	7	624	3	135

Other Manufacturing Technology

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	999	0	1511	0	5036	0	208	0	9
2000000000	0	663	0	374	0	2234	0	60	0	45
2710003070	0	4	0	0	0	28	0	0	0	7
8428900010	0	0	0	0	4	21	0	0	0	0
8431390090	0	7	0	259	0	79	0	24	0	531
8456100000	1	200	2	180	4	186	0	0	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	1	40	0	0	0	0
106070	0	0	0	0	5	340	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	2	59	0	0	1	1082
200060	0	0	2	81	0	0	0	0	0	0
300000	0	0	5	455	1	8	0	0	0	0
400000	0	0	38	330	0	0	4	3	0	0
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	15	1391	9	86	0	0	6	93	0	0
800000	2	579	0	0	6	138	4	63	0	0
8479899040	0	0	13	358	37	1086	0	0	0	0
908040	0	0	0	124	0	322	0	0	0	0
8537100030	1	21	14	188	8	114	1	8	0	0
9024100000	0	44	0	100	0	241	0	427	0	0
9031100000	0	46	0	11	0	29	0	0	0	0
300000	0	0	0	9	0	0	0	5	0	0
9032810040	0	0	688	110	13730	401	61	7	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
May 92

Metal Forming

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	2	27	0	0	0	0	2	116
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	1	41	7	475	0	0	1	255
210080	59	4178	1	41	11	480	0	0	4	372
290030	0	0	0	0	0	0	0	0	2	74
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	9	232	0	0	10	183
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	14	456
410080	0	0	0	0	7	1080	0	0	2	127
490050	0	0	1	117	0	0	0	0	12	202
910060	0	0	0	0	5	262	0	0	1	18
910090	0	0	14	807	1	30	0	0	19	304
990030	1	180	2	615	0	0	0	0	0	0
990040	0	0	1	37	0	0	0	0	1	25
990060	0	0	0	0	3	127	0	0	52	780
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	4	613	1	11	0	0	3	70	8	140
900080	0	0	9	367	1	32	0	0	10	272
9800000002	0	0	2	32	3	179	0	0	94	1924
9900000002	57	21	14	14	17	18	5	8	322	252
Month Tot	121	4992	48	2108	64	2915	8	78	554	5501
Y-T-D Tot	347	9707	640	12493	328	14451	45	1014	2512	32383
NC YTD Tot	67	5212	14	2245	44	5202	7	455	56	4242
C&F Month	555	8760	189	5388	195	6252	11	98	1908	17248
C&F Y-T-D	1100	17473	1979	31225	1052	35772	226	1489	8155	64968
C&F NC YTD*	74	7725	64	6406	100	14257	7	455	145	18300

Other Manufacturing Technology

1000000000	0	1346	0	6280	0	1496	0	283	0	11602
2000000000	0	202	0	687	0	788	0	123	0	1602
2710003070	0	5	0	10	0	18	0	7	0	3
8428900010	1	3	4	42	0	0	0	0	0	0
8431390090	0	8	0	389	0	89	0	6	0	574
8456100000	0	0	1	20	0	0	0	0	4	599
200000	0	0	0	0	0	0	0	0	1	29
8477106010	0	0	1	66	0	0	0	0	14	1382
106070	0	0	1	39	0	0	0	0	8	730
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	0	0	0	0	1	20
200060	0	0	0	0	0	0	0	0	0	0
300000	1	416	6	111	2	95	0	0	30	1064
400000	0	0	30	18	0	0	0	0	20	341
510010	0	0	18	38	0	0	0	0	2	19
510090	0	0	3	70	0	0	0	0	1	6
590000	2	25	22	219	1	9	7	28	12	200
800000	5	73	216	538	2	530	0	0	109	3313
8479899040	29	175	7	89	0	0	0	0	7	122
908040	0	88	0	294	0	44	0	0	0	115
8537100030	4	52	1	8	48	690	0	0	4	45
9024100000	0	50	0	749	0	226	0	0	0	87
9031100000	0	0	0	33	0	639	0	0	0	251
300000	0	3	0	0	0	8	0	5	0	81
9032810040	1121	271	677	73	300	44	6	6	388	137

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
May 92

Metal Forming

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	9	900
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	1	58	0	0	0	0	0	0
310080	0	0	1	48	0	0	0	0	0	0
390050	0	0	3	31	0	0	0	0	0	0
410080	1	650	36	780	0	0	0	0	2	274
490050	2	29	0	0	10	96	0	0	1	6
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	2	17	1	30
990030	0	0	0	0	1	33	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	1	20	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	4	44	1	98	0	0	1	26
900080	0	0	6	76	0	0	1	30	1	94
9800000002	0	0	2	13	0	0	0	0	0	0
9900000002	20	15	15	12	0	0	53	47	0	0
Month Tot	23	694	69	1082	12	227	56	94	15	1331
Y-T-D Tot	101	1950	243	5076	39	1058	225	1548	117	6783
NC YTD Tot	7	1250	39	1351	6	323	12	1003	22	1855
C&F Month	100	1552	246	2849	18	1378	121	165	696	3341
C&F Y-T-D	400	4920	1526	10198	227	2658	471	4546	1374	16972
C&F NC YTD*	29	2546	47	2233	6	323	21	3328	58	9921

Other Manufacturing Technology

1000000000	0	1953	0	746	0	455	0	621	0	2745
2000000000	0	541	0	122	0	62	0	52	0	124
2710003070	0	0	0	40	0	0	0	0	0	0
8428900010	0	0	0	0	0	0	0	0	1	66
8431390090	0	71	0	44	0	12	0	0	0	24
8456100000	0	0	0	0	1	41	2	240	1	657
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	1	59	0	0	0	0
106070	0	0	0	0	0	0	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
400000	0	0	0	0	0	0	0	0	0	0
510010	59	356	0	0	2	13	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	2	25	3	39	0	0	1	35
800000	0	0	40	74	0	0	0	0	1	12
8479899040	2	70	1	32	0	0	1	42	4	58
908040	0	11	0	7	0	34	0	80	0	11
8537100030	4	43	3	37	2	18	0	0	2	21
9024100000	0	27	0	82	0	6	0	75	0	51
9031100000	0	0	0	74	0	0	0	0	0	501
300000	0	0	0	7	0	0	0	0	0	65
9032810040	1729	431	1739	120	343	93	73	10	727	45

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
May 92

Metal Forming

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	1	28	0	0	0	0	1	6
8462100030	0	0	0	0	0	0	0	0	0	0
100050	2	104	2	380	0	0	0	0	2	109
210080	0	0	3	140	0	0	0	0	5	195
290030	0	0	0	0	0	0	0	0	8	326
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	3	429	0	0	0	0	3	53
310080	0	0	0	0	0	0	0	0	1	58
390050	0	0	0	0	0	0	1	24	0	0
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	10	1049	0	0	0	0	4	327
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	15	418	0	0	2	17	4	111
990030	0	0	0	0	0	0	0	0	6	350
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	3	719	0	0	1	87	9	194
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	3	75	0	0	4	122	3	60	2	66
900080	2	162	2	1003	0	0	0	0	20	590
9800000002	0	0	1	10	0	0	1	244	23	682
9900000002	0	0	89	70	0	0	14	12	126	110
Month Tot	7	341	129	4246	4	122	22	444	214	3176
Y-T-D Tot	96	4666	671	11492	13	244	127	2347	1458	22278
NC YTD Tot	2	937	29	2277	0	0	0	0	54	3581
C&F Month	108	500	367	6272	4	122	440	1023	849	6464
C&F Y-T-D	1765	6068	1903	20649	13	244	1965	5121	5321	43267
C&F NC YTD*	8	1490	61	6135	0	0	11	536	98	6611

Other Manufacturing Technology

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	564	0	4571	0	0	0	487	0	9736
2000000000	0	106	0	1280	0	0	0	1295	0	3748
2710003070	0	0	0	0	0	0	0	29	0	209
8428900010	0	0	3	56	0	0	0	0	1	5
8431390090	0	724	0	400	0	192	0	129	0	13818
8456100000	0	0	0	0	0	0	0	0	5	110
200000	0	0	0	0	0	0	0	0	1	14
8477106010	0	0	0	0	0	0	0	0	5	444
106070	0	0	3	150	0	0	0	0	10	1300
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	2	4031	0	0
200030	0	0	13	318	0	0	3	436	3	83
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	54	1928	0	0	0	0	19	352
400000	2	24	0	0	0	0	0	0	2	39
510010	0	0	0	0	0	0	0	0	34	695
510090	16	36	0	0	0	0	0	0	22	79
590000	0	0	13	612	0	0	0	0	40	182
800000	0	0	55	407	0	0	3	3	55	590
8479899040	79	475	1	509	0	0	6	34	7	311
908040	0	0	0	419	0	0	0	0	0	138
8537100030	1	9	19	253	0	0	0	0	22	288
9024100000	0	19	0	319	0	0	0	30	0	935
9031100000	0	9	0	28	0	0	0	31	0	358
300000	0	0	0	0	0	0	0	0	0	49
9032810040	0	0	2394	394	0	0	18	26	7214	821

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
May 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	0	0	0	0	0	0
Denmark	3	55	1	50	4	105
Finland	26	31	20	20	46	51
Greece	0	0	0	0	0	0
Hungary	0	0	0	0	0	0
Iceland	0	0	0	0	0	0
Ireland	15	112	0	0	15	112
Luxembourg	1	4	0	0	1	4
Norway	3	20	0	0	3	20
Poland	0	0	0	0	0	0
Portugal	0	0	0	0	0	0
Romania	0	0	0	0	0	0
Sweden	28	130	36	121	64	252
Turkey	1	15	0	0	1	15
Yugoslavia	0	0	4	125	4	125
Oth Europe	1	17	1	58	2	76
TOTAL	1156	11472	644	14309	1800	25781
NORTH AND CENTRAL AMERICA						
Bahamas	0	0	0	0	0	0
Barbados	0	0	2	7	2	7
Belize	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0
Costa Rica	16	47	8	395	24	442
Dominican Rep	2	28	0	0	2	28
El Salvador	0	0	4	104	4	104
Guatemala	0	0	1	21	1	21
Haiti	0	0	0	0	0	0
Honduras	0	0	0	0	0	0
Jamaica	0	0	0	0	0	0
Panama	0	0	1	75	1	75
Trinidad	0	0	1	11	1	11
Oth N & C Am.	3	41	6	5	9	46
TOTAL	1751	23861	906	9807	2657	33668
SOUTH AMERICA						
Argentina	16	194	20	112	36	306
Bolivia	0	0	0	0	0	0
Chile	20	144	23	360	43	504
Colombia	57	102	0	0	57	102
Ecuador	1	35	0	0	1	35
Paraguay	0	0	0	0	0	0
Peru	2	29	0	0	2	29
Uruguay	0	0	1	13	1	13
Oth South Am.	0	0	0	0	0	0
TOTAL	545	1234	85	2181	630	3415
OCEANIA						
New Zealand	0	0	1	298	1	298
Oth Oceania	0	0	0	0	0	0
TOTAL	13	253	26	563	39	816

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
May 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	212	850	36	163	248	1013
Iran	1	31	0	0	1	31
Iraq	0	0	0	0	0	0
Israel	47	361	2	24	49	385
Jordan	0	0	0	0	0	0
Kuwait	0	0	1	28	1	28
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	10	32	0	0	10	32
Pakistan	2	13	0	0	2	13
Philippines	16	54	1	93	17	147
Qatar	3	6	0	0	3	6
Saudi Arabia	32	782	10	239	42	1021
Sri Lanka	0	0	0	0	0	0
Syria	0	0	0	0	0	0
United Arab Emr	34	83	5	53	39	137
Vietnam	0	0	0	0	0	0
Oth Asia	2	6	1	5	3	11
TOTAL	1682	14649	313	12240	1995	26888
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	3	34	0	0	3	34
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	0	0	0	0	0	0
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	0	0	3	74	3	74
South Africa	78	28	20	384	98	413
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	0	0	5	337	5	337
Oth Africa	0	0	0	0	0	0
TOTAL	81	62	28	796	109	859

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS – Metal Cutting Machine Tools – May 92

RELEASED: August 5, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301020	Traveling wire electro-discharge machines	308	25685	48	4544
301050	Electro-discharge machines, n.e.c., NC	101	7259	30	1749
301070	Electro-discharge machines, n.e.c., non-NC	78	1142	9	177
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	771	60712	156	12267
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	49	14737	4	986
100035	Horizontal machining centers, ATC	177	41243	15	2547
100045	Machining centers, n.e.c.	22	24642	1	5639
200010	Unit construction mach. (single station transfer), NC	2	408	1	239
200090	Unit construction mach. (single station transfer), non-NC	7	1197	1	285
300010	Multi-station transfer machines, NC	18	17540	1	51
300090	Multi-station transfer machines, non-NC	35	16285	12	9616
8458110010	Horizontal lathes, multiple spindle, NC	134	20136	28	3969
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	782	53492	157	11148
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	147	22794	22	3259
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	19	6499	7	2218
190030	Horizontal engine or toolroom lathes, non-NC	1074	9615	248	2023
190050	Automatic bar and/or chucking mach., single spindle, non-NC	54	1632	18	142
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	18	2679	7	1241
190090	Horizontal lathes, n.e.c., non-NC	79	1263	30	604
911060	Vertical turret lathes, multiple spindle, NC	10	2236	1	306
911080	Vertical turret lathes, n.e.c., NC	21	4217	1	276
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	4	2090	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	14	2145	0	0
991050	Vertical turret lathes, non-NC	13	439	3	12
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	141	7169	12	1116
8459100000	Way-type unit head machines	6	535	3	321
210080	Other drilling machines, NC	56	5228	15	945
290040	Drilling machines, multiple spindle, non-NC	82	2510	0	0
290050	Drilling machines, radial, non-NC	71	633	13	135
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	19	1543	0	0
290090	Drilling machines, n.e.c., non-NC	120	4265	21	215
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	6	1356	1	407
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	21	5581	1	65
310070	Boring-milling machines, n.e.c., NC	4	624	1	34
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	6	363	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	44	1601	5	166
400040	Boring machines, vertical, NC	3	675	0	0
400050	Boring machines, vertical, non-NC	18	247	0	0
400070	Boring machines, n.e.c., NC	0	0	0	0
400080	Boring machines, n.e.c., non-NC	54	3276	16	272
510080	Milling machines, knee type, NC	80	2049	6	60
590030	Milling machines, knee type, non-NC	730	6395	180	1362
610080	Milling machines, excluding knee type, n.e.c., NC	71	11677	19	3937
690050	Milling machines, profile, dup., or die sinking, non-NC	3	14	0	0
690070	Milling machines, bed type, non-NC	22	778	2	65
690090	Milling machines, n.e.c., non-NC	42	1155	7	114
700020	Threading or tapping machines, n.e.c., NC	143	7991	10	479
700080	Threading or tapping machines, n.e.c., non-NC	46	1227	28	142
8460110080	Flat surface grinding machines, NC	31	1963	2	440
190010	Flat surface grinding mach., recip.-table type, non-NC	397	5282	45	497
190050	Flat surface grinding machines, n.e.c., non-NC	396	6917	66	581
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	116	27590	25	4835
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	62	4582	12	1686
290030	Grinding machines, internal cylindrical, non-NC	39	4635	7	666
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	279	17073	78	5264
310080	Sharpening machines (tool & cutter grinding), NC	72	2678	11	565
390050	Sharpening machines (tool & cutter grinding), non-NC	316	2589	49	479
400060	Honing or lapping machines, NC	8	661	1	197
400080	Honing or lapping machines, non-NC	63	5314	4	363
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	6	329	1	5
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	420	10236	85	2212
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	1	8	1	8
200010	Shaping or slotting machines, NC	3	115	0	0
200090	Shaping or slotting machines, non-NC	30	3696	3	27
300060	Broaching machines, NC	3	653	1	250
300080	Broaching machines, non-NC	13	5368	6	127
401020	Gear cutting for bevel gears	0	0	0	0
401030	Gear hobbers	25	7265	2	371
401040	Gear shapers	4	234	1	188
401060	Gear cutting machines, n.e.c.	46	188	7	12
405050	Gear grinding or finishing for bevel gears	2	1010	0	0
405070	Gear grinding or finishing machines, n.e.c.	29	9335	6	2778
500050	Sawing or cutting-off machines, NC	34	2075	7	109
500090	Sawing or cutting-off machines, non-NC	508	9277	108	2139
9000000001	Metal cutting machine tools, n.e.c.	135	6772	46	1016
9800000001	Used or rebuilt machine tools	2190	21953	295	8652
9900000001	Machine tools valued at less than $3.025	402425	34600	77255	7129
	Cutting Total			79264	113728
	Y-T-D Cutting Total	413378	599379		
	NC Y-T-D Cutting Total	3250	379146		

Please see notes on last page
of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - May 92

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	3	102
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	1	5639
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	1	285
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	3	1001	0	0	5	7811
8458110010	0	0	0	0	0	0	0	0	1	292
110030	0	0	0	0	0	0	1	87	0	0
110050	0	0	0	0	0	0	1	126	0	0
110090	0	0	0	0	0	0	0	0	2	1001
190030	0	0	25	239	3	99	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	3	321
210080	0	0	0	0	0	0	0	0	1	41
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	2	30	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	1	34
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	4	156
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	2	25	14	246	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	1	2118	0	0	4	1223
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	1	8
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	1	8	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	1	117
190010	0	0	0	0	1	21	0	0	0	0
190050	0	0	0	0	0	0	0	0	1	2
210080	0	0	0	0	0	0	0	0	4	1592
290010	0	0	0	0	0	0	0	0	3	540
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	3	51	0	0	27	4567
310080	0	0	0	0	1	8	0	0	8	308
390050	0	0	0	0	1	10	0	0	5	90
400060	0	0	0	0	0	0	0	0	1	197
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	1	50	1	18	6	24	5	71
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	1	8
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	2	17	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	1	3	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	2	2765
500050	0	0	0	0	0	0	0	0	4	27
500090	0	0	0	0	23	331	0	0	46	826
9000000001	0	0	0	0	2	7	8	29	3	16
9800000001	0	0	0	0	14	188	1	63	15	341
9900000001	0	0	0	0	297	60	81	146	502	309
Month Tot	0	0	28	320	355	3961	113	723	655	28686
Y-T-D Tot	15	194	151	2918	1008	12033	507	3834	2539	120677
NC YTD Tot	0	0	22	1399	27	5154	7	1710	198	65835

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - May 92

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	25	2469	0	0	0	0	0	0
301050	0	0	15	912	0	0	0	0	0	0
301070	0	0	5	108	0	0	0	0	0	0
8457100015	0	0	116	10119	3	136	10	523	0	0
100025	0	0	3	655	0	0	0	0	0	0
100035	0	0	12	2221	0	0	0	0	1	125
100045	0	0	0	0	0	0	0	0	0	0
200010	1	239	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	27	3677	0	0	0	0	0	0
110030	0	0	115	9586	2	108	0	0	0	0
110050	0	0	21	3133	0	0	0	0	0	0
110090	0	0	4	1099	0	0	0	0	0	0
190030	0	0	1	113	8	85	14	181	1	57
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	6	233	0	0	0	0	0	0
911060	0	0	1	306	0	0	0	0	0	0
911080	1	276	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	6	731	6	385	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	14	904	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	2	141	0	0	0	0	18	63
310010	0	0	1	407	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	1	11	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	7	346	2	61	0	0	0	0	60	495
610080	0	0	2	186	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	2	65	0	0	0	0	0	0
690090	0	0	1	49	0	0	0	0	0	0
700020	0	0	10	479	0	0	0	0	0	0
700080	0	0	25	120	0	0	0	0	0	0
8460110080	0	0	1	324	0	0	0	0	0	0
190010	0	0	1	63	0	0	31	399	0	0
190050	0	0	1	1	0	0	0	0	0	0
210080	0	0	19	2860	0	0	0	0	0	0
290010	0	0	1	42	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	4	18	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	2	101	25	82	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	3	333	0	0	0	0	0	0
900060	0	0	1	5	0	0	0	0	0	0
900080	2	746	46	1113	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	1	250	0	0	0	0	0	0
300080	0	0	6	127	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	1	164	0	0	0	0	0	0
401040	0	0	1	188	0	0	0	0	0	0
401060	0	0	2	7	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	4	13	0	0	0	0
500050	2	76	0	0	0	0	0	0	0	0
500090	18	139	7	661	0	0	0	0	1	4
9000000001	7	31	24	903	0	0	0	0	1	6
9800000001	166	270	48	4777	0	0	0	0	1	40
9900000001	2037	372	4283	746	2205	209	72	12	0	0
Month Tot	2244	2606	4891	50439	2228	936	127	1115	83	790
Y-T-D Tot	12173	12145	38318	295588	8260	8816	500	7589	550	7985
NC YTD Tot	24	5075	1998	240351	60	3723	74	4076	5	1531

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - May 92

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	23	2076	0	0	0	0	0	0
301050	0	0	5	549	0	0	0	0	7	187
301070	0	0	0	0	3	36	1	33	0	0
8457100015	0	0	0	0	4	133	21	1124	2	233
100025	0	0	0	0	1	331	0	0	0	0
100035	0	0	0	0	1	67	1	134	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	1	51
300090	0	0	4	804	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	8	327	21	993	10	46
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	1	117
190030	0	0	0	0	47	333	0	0	149	915
190050	0	0	1	49	17	93	0	0	0	0
190070	0	0	2	593	0	0	5	647	0	0
190090	0	0	0	0	0	0	24	371	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	3	12	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	3	48	0	0	8	57
290070	0	0	0	0	0	0	0	0	0	0
290090	1	11	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	1	65
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	6	60	0	0	0	0
590030	0	0	0	0	110	456	0	0	1	5
610080	1	370	0	0	8	18	3	22	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	14	3	11	0	0	1	32
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	2	14	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	12	14	0	0	0	0
190050	0	0	2	166	54	392	0	0	8	21
210080	0	0	2	382	0	0	0	0	0	0
290010	0	0	6	1074	0	0	1	28	1	2
290030	0	0	2	599	2	29	0	0	3	37
290050	1	9	25	326	9	69	2	191	7	35
310080	0	0	0	0	0	0	0	0	2	249
390050	0	0	0	0	0	0	16	195	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	1	30	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	2	34	10	42	12	114
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	1	10
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	1	207
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	4	1
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	1	6	0	0	0	0
500090	0	0	0	0	10	81	2	29	1	69
9000000001	1	25	0	0	0	0	0	0	0	0
9800000001	0	0	2	53	4	46	14	2500	30	374
9900000001	225	325	192	21	53182	3856	103	62	14076	1013
Month Tot	229	739	267	6706	53493	6497	224	6370	14327	3839
Y-T-D Tot	522	3233	597	33508	270957	36398	1225	28906	76056	25553
N[illegible] YTD Tot	4	578	125	16033	228	8041	193	14675	285	10964

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
May 92

RELEASED: August 5, 1992

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	143	9833	7	391
8462100030	Headers and upsetters, including cold headers	21	2471	5	355
100050	Forging or die stamping machines, and hammers, n.e.c.	489	48159	57	15993
210080	Bending, folding, straight. or flat. mach., incl presses, NC	229	15279	33	1658
290030	Press brakes, non-NC	78	2648	17	623
290040	Bending rolls, non-NC	28	1049	5	62
290050	Bending, folding, straight., or flat., n.e.c., non-NC	388	14884	94	2586
310080	Shearing machines, NC	20	2626	4	775
390050	Shearing machines, non-NC	173	8617	25	1603
410080	Punching or notching mach., incl. comb. punch & shear, NC	127	17195	33	6274
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	183	7768	23	1526
910060	Hydraulic presses, NC	9	3343	3	685
910090	Hydraulic presses, non-NC	1379	12493	143	1316
990030	Presses, n.e.c., NC	0	0	0	0
990035	Mechanical transfer presses, non-NC	8	14198	1	3488
990045	Mechanical presses, n.e.c., non-NC	50	2912	12	1160
990060	Presses, n.e.c., non-NC	187	11593	50	2852
8463100080	Draw benches for bars, tubes, profiles, wire or the like	71	6145	12	639
200080	Thread rolling machines	29	1584	7	546
300080	Machines for working wire	275	10043	31	1218
900080	Metal forming machine tools, n.e.c.	289	10269	59	1996
9800000002	Used or rebuilt machine tools	566	9037	99	2487
9900000002	Machine tools valued at less than $3,025	6476	3080	1517	541
	Forming Total			2237	48775
	Y-T-D Forming Total	11218	215226		
	NC Y-T-D Forming Total	385	38444		
	Cutting and Forming Totals:				
	Monthly Total			81501	162504
	Y-T-D Total	424596	814605		
	NC Y-T-D Total	3635	417590		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
1000000000	Machine tool parts and accessories	0	224249	0	39205
2000000000	Parts for working rubber or plastics - heading 8477	0	119599	0	23498
2710003070	Quenching or cutting oils	0	154	0	28
8428900010	Industrial robots for lifting, handling, loading or unlosd	1232	24729	100	10013
8431390080	Parts industrial robots, handling and loading - heading 8428	0	31311	0	6289
8456101010	Laser, light or photon beam for working metal, NC	94	14996	15	1716
101020	Laser, light or photon beam for working metal, non-NC	35	3957	9	1088
105000	Laser, light or photon beam for other materials	74	1872	8	612
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	1	4	0	0
205000	Ultrasonic processes for working other materials	33	91	4	29
8477103000	Injection molding mach., for manufacturing shoes	58	1031	14	23
106010	Injection molding mach., for rubber or oth. thermosetting	324	33215	43	3213
106050	Injection molding mach., for thermoplastics	1394	127495	352	31548
200005	Extruders; rubber or other thermosetting mat., single screw	15	1892	1	744
200015	Extruders; rubber or thermosetting, other incl. multi. screw	14	924	5	144
200035	Extruders; thermoplastics, single screw, less than 6.4cm	24	547	10	234
200045	Extruders; thermoplastics, single screw, 6.4cm or greater	26	10485	8	2469
200055	Extruders; thermoplastics, mutli. screw, less than 6.4cm	41	2408	5	250
200065	Extruders; thermoplastics, multi. screw, 6.4cm or larger	27	7497	6	1000
300000	Blow molding machines	133	27059	20	4458
400000	Vacuum-molding and other thermoforming machines	147	6111	34	3588
510010	Machines for molding or retreading pneumatic tires	351	7847	12	1778
510090	Machines for molding or otherwise forming inner tubes	17	1121	6	752
590000	Machines for molding or otherwise forming n.e.c.	369	16038	27	1486
800000	Machines for working rubber or plastics n.e.c.	1875	48104	424	10265
8479899040	Industrial robots, n.e.c.	810	31384	214	8868
908040	Industrial robot parts	0	13439	0	2427
8537100030	Numerical controls for controlling machine tools	3394	12118	432	2042
9024100000	Machines and appliances for testing metals	0	6383	0	3246
9031100000	Machines for balancing mechanical parts	0	2319	0	861
300000	Profile projectors	0	1506	0	339
9032810020	Industrial process control instr., hydraulic	53745	897	13100	227
810060	Industrial process control instr., pneumatic	52658	1087	22335	335

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
May 92

Metal Forming

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	3	218	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	1	38	0	0	1	5	1	72	19	241
210080	0	0	0	0	5	95	0	0	3	200
290030	1	27	0	0	10	506	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	32	438	0	0	11	426
310080	0	0	0	0	0	0	0	0	0	0
390050	6	139	0	0	3	80	0	0	6	60
410080	0	0	0	0	0	0	0	0	17	3420
490050	0	0	0	0	0	0	0	0	14	416
910060	0	0	0	0	0	0	0	0	1	218
910090	0	0	0	0	6	591	0	0	1	2
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	2	16	0	0	0	0
990060	0	0	0	0	12	659	8	57	2	171
8463100080	6	114	0	0	0	0	0	0	6	525
200080	0	0	0	0	0	0	0	0	5	378
300080	0	0	0	0	1	22	1	289	0	0
900080	0	0	0	0	3	65	15	67	2	313
9800000002	0	0	0	0	28	978	1	16	6	95
9900000002	0	0	0	0	26	36	6	16	5	5
Month Tot	14	318	0	0	132	3710	32	518	98	6470
Y-T-D Tot	54	3724	7	9	786	20071	170	3290	684	36070
NC YTD Tot	3	335	0	0	46	2144	3	152	86	10565
C&F Month	14	318	28	320	487	7671	145	1241	753	35156
C&F Y-T-D	69	3918	158	2927	1794	32104	677	7123	3223	156747
C&F NC YTD	3	335	22	1399	73	7298	10	1862	294	76400

Other Manufacturing Technology

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	289	0	271	0	7559	0	418	0	6659
2000000000	0	9	0	0	0	8014	0	509	0	6258
2710003070	0	0	0	0	0	5	0	0	0	0
8428900010	0	0	0	0	3	62	0	0	1	88
8431390080	0	14	0	1	0	1737	0	42	0	815
8456101010	0	0	0	0	0	0	0	0	9	499
101020	0	0	0	0	0	0	0	0	9	1088
105000	0	0	0	0	1	101	0	0	2	69
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	0	0	6	757	3	294	6	260
106050	0	0	0	0	33	5210	1	177	88	7265
200005	0	0	0	0	0	0	0	0	1	744
200015	0	0	0	0	4	107	0	0	0	0
200035	0	0	0	0	0	0	0	0	1	44
200045	0	0	0	0	0	0	0	0	8	2469
200055	0	0	0	0	0	0	0	0	5	250
200065	0	0	0	0	0	0	0	0	1	285
300000	0	0	0	0	1	32	9	3294	2	578
400000	0	0	0	0	1	37	0	0	25	3537
510010	0	0	0	0	8	1253	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	1	122	5	285	0	0	5	648
800000	3	43	0	0	37	1180	10	223	32	2604
8479899040	0	0	0	0	4	66	0	0	13	1659
908040	0	0	0	0	0	36	0	2	0	1192
8537100030	0	0	0	0	0	0	0	0	2	33
9024100000	0	0	0	0	0	20	0	84	0	459
9031100000	0	0	0	0	0	71	0	0	0	158
300000	0	0	0	0	0	0	0	0	0	40
9032810020	0	0	1000	7	0	0	4	3	100	56
810060	0	0	7500	29	0	0	400	78	69	13

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
May 92

Metal Forming

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	2	129	0	0	0	0	0	0	0	0
8462100030	1	82	4	272	0	0	0	0	0	0
100050	4	9	23	3152	0	0	0	0	0	0
210080	0	0	19	762	0	0	0	0	0	0
290030	1	11	2	66	0	0	0	0	0	0
290040	5	62	0	0	0	0	0	0	0	0
290050	4	17	14	389	0	0	0	0	4	38
310080	1	57	0	0	0	0	0	0	0	0
390050	0	0	5	284	1	1003	0	0	0	0
410080	2	200	12	2012	0	0	0	0	0	0
490050	1	13	4	1064	0	0	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	22	11	1	126	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	1	3488	0	0	0	0	0	0
990045	0	0	2	462	0	0	0	0	0	0
990060	0	0	9	231	1	11	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	1	140	0	0	0	0	1	28
300080	5	581	1	50	0	0	0	0	1	19
900080	5	322	7	154	0	0	0	0	0	0
9800000002	5	36	42	968	2	26	0	0	0	0
9900000002	37	28	144	65	0	0	0	0	25	7
Month Tot	95	1559	291	13686	4	1040	0	0	31	92
Y-T-D Tot	445	5938	1842	97657	47	1530	1	12	210	1229
NC YTD Tot	37	1681	168	16365	0	0	0	0	0	0
C&F Month	2339	4165	5182	64125	2232	1976	127	1115	114	882
C&F Y-T-D	12618	18083	40160	393245	8307	10346	501	7601	760	9213
C&F NC YTD	61	6756	2166	256716	60	3723	74	4076	5	1531

Other Manufacturing Technology

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	2287	0	9269	0	269	0	80	0	139
2000000000	0	862	0	4424	0	98	0	5	0	50
2710003070	0	0	0	23	0	0	0	0	0	0
8428900010	3	479	69	8974	0	0	0	0	0	0
8431390080	0	18	0	1324	0	0	0	0	0	4
8456101010	0	0	5	1077	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	3	2	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	4	29	0	0	0	0	0	0
8477103000	0	0	0	0	6	21	0	0	0	0
106010	0	0	1	629	0	0	0	0	0	0
106050	15	3437	159	13613	1	54	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	0	0	0	0	0	0	0	0
200055	0	0	0	0	0	0	0	0	0	0
200065	0	0	3	635	0	0	0	0	0	0
300000	1	333	0	0	0	0	0	0	0	0
400000	0	0	6	8	0	0	0	0	0	0
510010	2	332	1	109	0	0	0	0	0	0
510090	0	0	6	752	0	0	0	0	0	0
590000	0	0	2	52	5	4	0	0	0	0
800000	5	1223	248	3671	1	13	0	0	0	0
8479899040	4	225	125	6535	0	0	0	0	0	0
908040	0	28	0	810	0	0	0	11	0	0
8537100030	6	47	396	1887	0	0	0	0	0	0
9024100000	0	0	0	2005	0	0	0	0	0	0
9031100000	0	0	0	240	0	0	0	0	0	0
300000	0	0	0	30	0	0	0	0	0	0
9032810020	2	5	0	0	0	0	0	0	0	0
810060	400	50	1321	14	0	0	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
May 92

Metal Forming

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	2	44	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	1	18	0	0	7	12459
210080	0	0	0	0	0	0	3	555	3	45
290030	0	0	0	0	3	13	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	15	455	0	0	8	82	3	692	3	49
310080	1	402	1	213	0	0	1	103	0	0
390050	0	0	0	0	0	0	2	12	2	26
410080	0	0	2	642	0	0	0	0	0	0
490050	0	0	0	0	1	5	3	27	0	0
910060	1	313	0	0	0	0	1	154	0	0
910090	2	577	0	0	110	8	0	0	1	2
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	1	472	7	210
990060	6	397	0	0	6	35	1	1213	5	79
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	11	178	0	0	11	80	0	0
900080	1	165	22	889	0	0	3	13	1	7
9800000002	3	19	3	197	2	4	3	121	4	26
9900000002	40	6	58	51	848	246	145	30	183	51
Month Tot	69	2334	99	2214	979	411	177	3471	216	12954
Y-T-D Tot	214	5039	420	9675	3308	3199	711	7776	2319	20009
NC YTD Tot	3	739	6	1552	2	32	12	2525	19	2353
C&F Month	298	3073	366	8920	54472	6908	401	9842	14543	16793
C&F Y-T-D	736	8271	1017	43183	274265	39598	1936	36682	78375	45563
C&F NC YTD	7	1318	131	17585	230	8074	205	17200	304	13317

Other Manufacturing Technology

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	933	0	2659	0	2300	0	2838	0	3237
2000000000	0	147	0	567	0	294	0	979	0	1281
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	8	403	16	8	0	0	0	0	0	0
8431390080	0	77	0	306	0	95	0	339	0	1518
8456101010	0	0	0	0	0	0	0	0	1	139
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	2	441
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	8	2
106010	0	0	6	602	8	315	0	0	13	357
106050	0	0	4	648	30	278	4	121	17	745
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	1	37	0	0
200035	0	0	0	0	5	90	1	43	3	57
200045	0	0	0	0	0	0	0	0	0	0
200055	0	0	0	0	0	0	0	0	0	0
200065	0	0	0	0	2	80	0	0	0	0
300000	0	0	2	56	3	80	2	85	0	0
400000	0	0	0	0	0	0	2	6	0	0
510010	0	0	0	0	0	0	0	0	1	84
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	0	0	5	248	4	127
800000	0	0	5	418	34	261	38	403	11	227
8479899040	7	49	0	0	2	25	0	0	59	308
908040	0	96	0	4	0	15	0	20	0	214
8537100030	0	0	0	0	20	20	2	47	6	8
9024100000	0	4	0	338	0	0	0	287	0	50
9031100000	0	0	0	0	0	0	0	54	0	339
300000	0	0	0	23	0	0	0	246	0	0
9032810020	0	0	0	0	0	0	1550	7	10444	149
810060	0	0	0	0	2486	8	888	15	9271	128

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
May 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	179	79	4	12199	183	12278
Bulgaria	0	0	0	0	0	0
Czechoslovakia	5	58	1	10	6	68
Denmark	45	198	3	4	48	202
Finland	1	69	6	3	7	72
Hungary	0	0	0	0	0	0
Ireland	0	0	0	0	0	0
Luxembourg	0	0	0	0	0	0
Netherlands	8	53	1	7	9	60
Norway	0	0	0	0	0	0
Poland	15	486	0	0	15	486
Portugal	0	0	6	79	6	79
Romania	0	0	0	0	0	0
USSR	1	2	0	0	1	2
Yugoslavia	2	32	0	0	2	32
Oth Europe	2	50	0	0	2	50
TOTAL	4073	47647	636	29278	4709	76925
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	1	18	0	0	1	18
Mexico	14	36	9	237	23	273
Oth N & C Am.	1	207	0	0	1	207
TOTAL	371	4223	141	3947	512	8169
SOUTH AMERICA						
Argentina	0	0	0	0	0	0
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	1	2	0	0	1	2
Uruguay	0	0	0	0	0	0
Venezuela	1	5	0	0	1	5
Oth South Am.	1	6	0	0	1	6
TOTAL	31	332	0	0	31	332
OCEANIA						
Australia	15	274	0	0	15	274
New Zealand	0	0	0	0	0	0
Oth Oceania	0	0	0	0	0	0
TOTAL	15	274	0	0	15	274

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
May 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	14005	1881	177	97	14182	1979
Hong Kong	5	4	1	258	6	262
India	5	7	0	0	5	7
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	2	233	8	58	10	291
Malaysia	10	5	0	0	10	5
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	3	133	0	0	3	133
Oth Asia	0	0	0	0	0	0
TOTAL	74769	61249	1460	15551	76229	76800
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	4	1	0	0	4	1
Swaziland	0	0	0	0	0	0
Oth Africa	1	2	0	0	1	2
TOTAL	5	4	0	0	5	4

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.

A3179-3

REPORT

AMT
The Association For
Manufacturing Technology
Founded 1902 as National Machine Tool Builders' Association

Direct Dial: (703) 827-5260

STATISTICAL
No. 76-92 September 2, 1992

U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY – JUNE 1992
(values in millions of U.S. dollars)

	June 1992	May 1992	Average Mar.-May	YTD Total'92	YTD Total'91	% Change 1991-1992
METAL CUTTING MACHINE TOOLS						
Exports	$ 69.7	$ 51.5	$ 46.2	$301.1	$ 316.4	(4.8%)
Imports	$105.3	$113.7	$122.5	$704.7	$ 859.0	(18.0%)
Balance	($ 35.6)	($ 62.2)	($ 76.3)	($403.6)	($ 542.6)	(25.6%)
METAL FORMING MACHINE TOOLS						
Exports	$ 45.5	$ 39.9	$ 38.7	$245.7	$ 235.0	4.6%
Imports	$ 36.8	$ 48.8	$ 47.0	$252.1	$ 294.1	(14.3%)
Balance	$ 8.7	($ 8.9)	($ 8.3)	($ 6.4)	($ 59.1)	(89.2%)
MACHINE TOOL TOTAL						
Exports	$115.3	$ 91.4	$ 84.9	$546.8	$ 551.5	(0.9%)
Imports	$142.1	$162.5	$169.5	$956.7	$1,153.1	(17.0%)
Balance	($ 26.8)	($ 71.1)	($ 84.6)	($409.9)	($ 601.6)	(31.9%)
NUMERICALLY CONTROLLED MACHINE TOOLS						
Exports	$ 47.3	$ 26.7	$ 23.1	$171.3	$ 175.7	(2.5%)
Imports	$ 82.6	$ 70.9	$ 85.4	$500.2	$ 625.4	(20.0%)
Balance	($ 35.3)	($ 44.2)	($ 62.3)	($328.9)	($ 449.7)	(26.9%)
OTHER MANUFACTURING TECHNOLOGY						
Exports	$161.9	$163.6	$156.0	$918.6	$ 833.9	10.2%
Imports	$157.1	$162.8	$168.5	$939.0	$1,024.9	(8.4%)
Balance	$ 4.8	$ 0.8	($ 12.5)	($ 20.4)	($ 191.0)	(89.3%)

Note: Numerically controlled machine tools is a subgroup of the machine tool total. ( ) denotes negative. Individual items may not add up to totals due to rounding.

- U.S. machine tool exports of $115.3 million in June were the second highest monthly total ever, behind the $120.0 million in May 1981. Exports have now risen for three consecutive months.

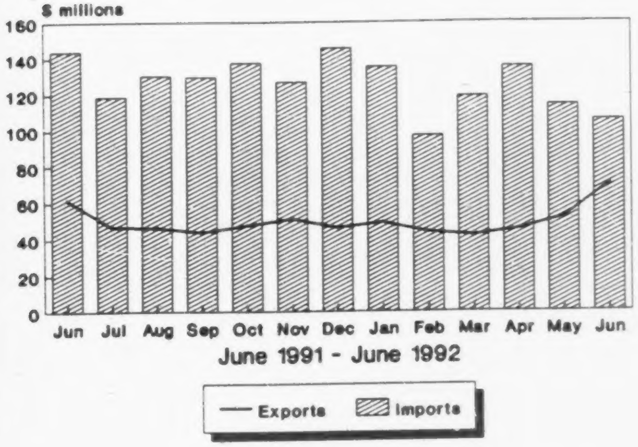
- Year-to-date exports are $546.8 million, down less than 1% from last year when annual exports set a record at $1.08 billion. The top two markets are Mexico and Canada at $94.4 million and $85.9 million, respectively.

- U.S. machine tool imports in the first half of 1992 are $956.7 million, down 17% from last year. Imports from Japan of $452.6 million are down 9% from last year; imports from Germany are $188.9 million, down 32%.

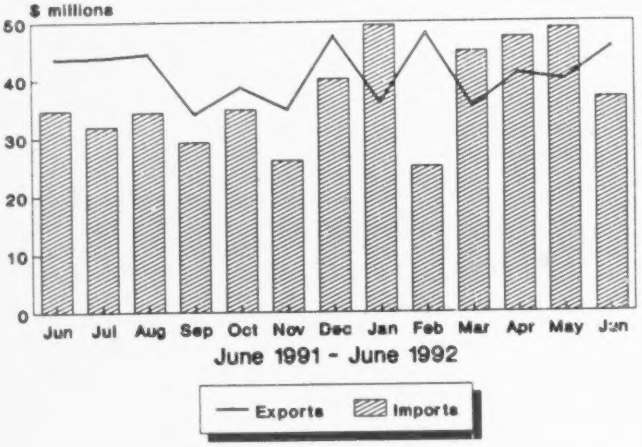
7901 WESTPARK DRIVE, McLEAN, VIRGINIA 22102-4269 PHONE 703-893-2900 TLX: 353819 FAX 703-893-1151

U.S. MONTHLY TRADE IN MACHINE TOOLS

METAL CUTTING



METAL FORMING



METAL CUTTING MACHINE TOOLS

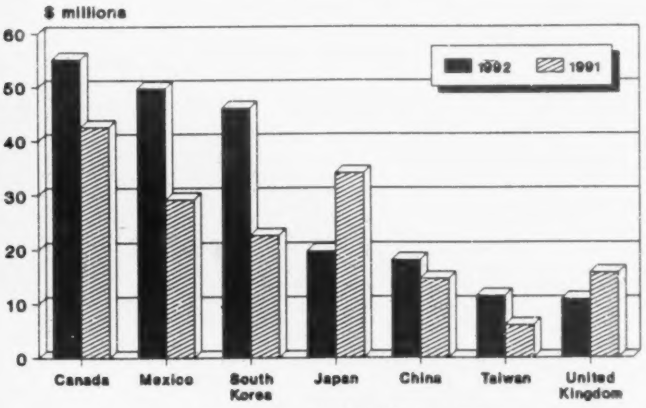
Exports

- Paced by $19.6 million in NC transfer machines to South Korea, metal cutting exports in June jumped to $69.7 million from $51.5 million in May. Year-to-date exports are down 5% from last year at $301.1 million.

- Year-to-date exports of boring machines, drilling machines and gear cutting machines are all down more than 39% from last year; exports of station type machines are up 50%.

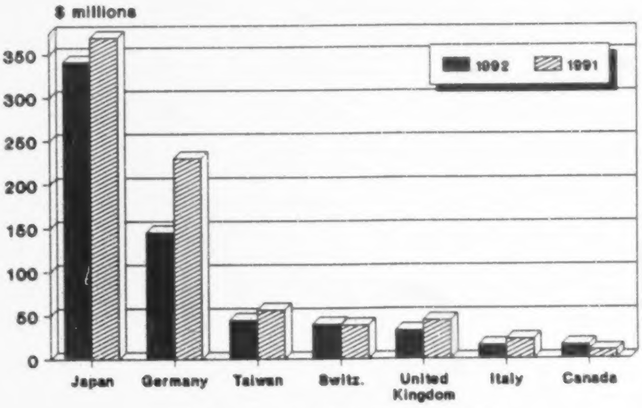
- Exports of metal cutting machines to Europe are $55.2 million so far in 1992, down 51% from last year. Exports to Asia are $122.0 million in 1992, up 23% from last year at this time. Exports to North and Central America are $106.3 million, up 46% from 1991.

LEADING U.S. EXPORT MARKETS
METAL CUTTING MACHINES



June year-to-date 1992 vs 1991

LEADING U.S. IMPORT SOURCES
METAL CUTTING MACHINES



June year-to-date 1992 vs. 1991

Imports

- Metal cutting imports fell for the second straight month to $105.3 million, the second lowest monthly total since February 1988. Year-to-date imports are down 18% to $704.7 million.

- Imports of EDMs rose to $40.7 million in 1992 through June, up from $36.8 million last year at this time. With the exception of EDMs, NC vertical lathes and machining centers, year-to-date imports of all major types of metal cutting machines are down at least 11% (usually more) so far in 1992.

- Imports from Switzerland, Canada, South Korea and Singapore are up in the first half of 1992 over last year. Imports from all other major import sources are down, usually more than 20%.

METAL FORMING MACHINE TOOLS

Exports

- For the first time since February, exports of metal forming machines in June exceeded imports. Exports were $45.5 million in June, up from $39.9 million in May. Year-to-date exports are up 5% over last year at $245.7 million.

- Mexico was the top market in June and is the top market for all of 1992 so far at $44.7 million, up 52% from 1991 at this time. Exports to Saudi Arabia are $9.4 million, up from $3.6 million last year.

- Exports of NC metal forming machines are up 31% over last year at $46.6 million, equal to 19% of total forming exports (up from 15% in 1991 at this time).

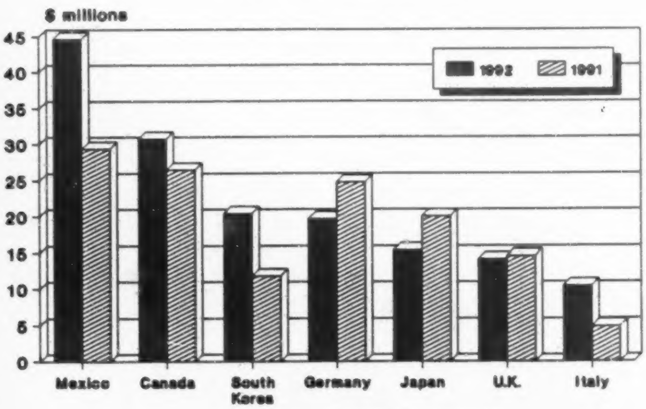
Imports

- Imports of metal forming machines slumped 25% in June to $36.8 million for a year-to-date total ($252.1 million) down 14% from 1991.

- Imports of NC metal forming machines are $43.7 million in 1992, up fractionally from last year. NC machines account for 17% of total metal forming imports so far in 1992.

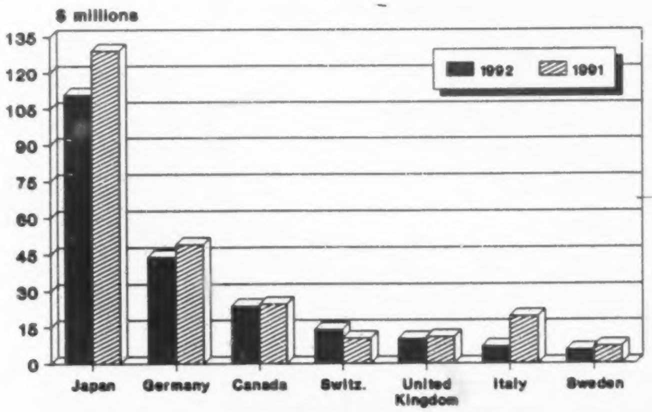
- Imports of used or rebuilt metal forming machines are $10.7 million in 1992 through June, down from $16.3 million last year. Year-to-date imports of machines for working wire are $13.0 million, down from $29.8 million last year.

LEADING U.S. EXPORT MARKETS
METAL FORMING MACHINES



June year-to-date 1992 vs. 1991

LEADING U.S. IMPORT SOURCES
METAL FORMING MACHINES



June year-to-date 1992 vs. 1991

OTHER MANUFACTURING TECHNOLOGY

Exports

- Exports of laser, light or photon beam machines are $10.4 million in 1992 through June, down from $20.1 million last year at this time. Exports of machine tool parts and accessories are $394.9 million, up 18% from last year.

- Year-to-date exports of injection molding machines are $54.6 million, up from $30.9 million last year. Exports of extruders of all types are $25.2 million, down from $29.3 million in 1991 through June.

Imports

- Year-to-date imports of laser, light or photon beam machines are $24.4 million, down from $27.3 million in 1991. Imports of numerical controls for controlling machine tools are $14.8 million so far in 1992, down from $17.2 million last year.

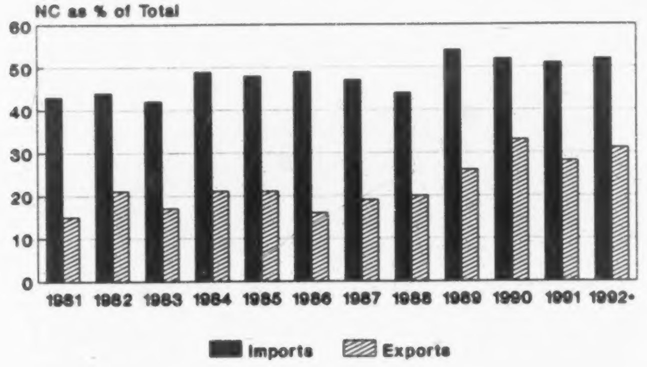
- Imports of machine tool parts and accessories are $270.2 million in 1992 through June, down slightly from last year. The leading sources so far in 1992: Japan ($69.7 million), Canada ($61.9 million) and Germany ($44.7 million).

MONTHLY FOCUS

Advances in numerical controls are a major reason for the exceptional flexibility, precision and accuracy now common in many types of machine tools, especially metal cutting machines. In a general sense, these features often make NC machines, even though they cost more, a "better buy" than non-NC machines.

The charts below detail, for the last decade, the percentage (by value) of U.S. machine tool imports and exports which are numerically controlled. Since 1981, more than 40% of U.S. imports have been NC, creeping up to more than 50% in the past few years. On the other hand, only 15% of U.S. machine tool exports in 1981 were NC machines, though that percentage has risen fairly steadily since then, especially since 1986. In 1992 through June, 31% of U.S. machine tool exports were numerically controlled.

NC Machines as a Percentage of Total
U.S. Machine Tool Imports and Exports
1981-1992*



*January-June
Source: U.S. Bureau of the Census

1992 EXPORTS

METAL CUTTING

COUNTRY	JUNE'92	MAY'92	% CHANGE	JUNE'92 YTD	JUNE'91 YTD	% CHANGE
Canada	$ 8,287,392	$11,997,196	-31%	$55,149,234	$42,659,512	29%
Mexico	17,144,591	11,747,847	46%	49,729,969	29,156,544	71%
South Korea	24,738,200	3,337,245	641%	46,059,876	22,587,632	104%
Japan	955,418	3,280,247	-71%	19,687,411	34,057,522	-42%
China	1,514,526	1,022,871	48%	17,966,136	14,539,388	24%
Taiwan	1,223,752	2,010,056	-39%	11,412,909	6,008,442	90%
United Kingdom	1,617,312	2,025,861	-20%	10,773,644	15,650,001	-31%
Germany	1,703,472	1,920,639	-11%	10,452,549	37,703,295	-72%
Italy	2,273,609	3,767,427	-40%	10,039,893	7,507,352	34%
Indonesia	1,009,083	648,562	56%	6,397,041	1,294,474	394%
Singapore	98,657	1,766,431	-94%	5,220,299	4,668,178	12%
Brazil	543,868	151,001	260%	4,820,033	6,542,376	-26%
India	472,186	184,960	155%	4,450,251	7,093,506	-37%
France	321,611	1,048,839	-69%	3,830,539	10,353,560	-63%
Venezuela	662,845	578,913	14%	3,436,858	6,235,812	-45%
Netherlands	293,915	857,867	-66%	3,263,598	3,149,814	4%
Switzerland	151,199	70,474	115%	3,149,443	3,504,113	-10%
Australia	728,253	252,782	188%	2,505,443	2,701,092	-7%
Thailand	766,760	159,279	381%	2,168,476	1,636,658	32%
Spain	236,690	1,151,406	-79%	1,836,919	1,009,229	82%
Austria	0	130,000	-100%	1,404,259	638,179	120%
Belgium	290,364	113,479	156%	1,188,519	6,241,769	-81%
Malaysia	13,427	20,052	-33%	487,635	1,635,699	-70%
USSR	0	0	NA	0	16,569,190	-100%

METAL FORMING

COUNTRY	JUNE'92	MAY'92	% CHANGE	JUNE'92 YTD	JUNE'91 YTD	% CHANGE
Mexico	$12,271,890	$5,500,607	123%	$44,654,866	$29,376,167	52%
Canada	4,678,365	3,689,562	27%	30,743,532	26,427,409	16%
South Korea	5,999,470	2,914,676	106%	20,450,269	11,797,236	73%
Germany	3,338,304	2,542,395	31%	19,649,996	24,757,035	-21%
Japan	2,901,425	2,107,682	38%	15,394,518	20,039,551	-23%
United Kingdom	2,592,644	4,246,303	-39%	14,085,023	14,525,919	-3%
Italy	721,777	4,992,087	-86%	10,428,817	4,841,360	115%
Taiwan	1,864,698	1,330,622	40%	8,647,771	4,657,229	86%
Belgium	1,003,538	100,859	895%	8,401,053	1,803,814	366%
France	495,337	749,904	-34%	8,355,697	14,007,861	-40%
China	82,730	3,524,738	-98%	7,681,912	17,332,365	-56%
Singapore	648,168	1,082,124	-40%	5,724,275	3,249,305	76%
Brazil	1,242,238	1,252,603	-1%	5,410,834	4,022,584	35%
Thailand	308,551	340,864	-9%	4,974,807	5,108,875	-3%
Venezuela	758,124	443,788	71%	3,104,856	1,324,832	134%
Netherlands	524,757	694,022	-24%	2,474,608	6,186,800	-60%
Australia	1,136,341	265,142	329%	2,055,280	1,998,261	3%
Switzerland	46,726	94,217	-50%	1,594,580	1,297,732	23%
Malaysia	328,800	77,551	324%	1,343,272	813,534	65%
Indonesia	398,537	210,553	89%	1,199,120	3,437,699	-65%
Spain	31,198	226,665	-86%	1,088,804	3,361,839	-68%
Austria	0	165,778	-100%	975,387	187,657	420%
India	108,536	45,265	140%	703,436	789,535	-11%
USSR	0	121,799	-100%	243,542	25,640	850%

MACHINE TOOL TOTAL

COUNTRY	JUNE'92	MAY'92	% CHANGE	JUNE'92 YTD	JUNE'91 YTD	% CHANGE
Mexico	$29,416,481	$17,248,454	71%	$94,384,835	$58,532,711	61%
Canada	12,965,757	15,686,758	-17%	85,892,766	69,086,921	24%
South Korea	30,737,670	6,251,921	392%	66,510,145	34,384,868	93%
Japan	3,856,843	5,387,929	-28%	35,081,929	54,097,073	-35%
Germany	5,041,776	4,463,034	13%	30,102,545	62,460,330	-52%
China	1,597,256	4,547,609	-65%	25,648,048	31,871,753	-20%
United Kingdom	4,209,956	6,272,164	-33%	24,858,667	30,175,920	-18%
Italy	2,995,386	8,759,514	-66%	20,468,710	12,348,712	66%
Taiwan	3,088,450	3,340,678	-8%	20,060,680	10,665,671	88%
France	816,948	1,798,743	-55%	12,186,236	24,361,421	-50%
Singapore	746,825	2,848,555	-74%	10,944,574	7,917,483	38%
Brazil	1,786,106	1,403,604	27%	10,230,867	10,564,960	-3%
Belgium	1,293,902	214,338	504%	9,589,572	8,045,583	19%
Indonesia	1,407,620	859,115	64%	7,596,161	4,732,173	61%
Thailand	1,075,311	500,143	115%	7,143,283	6,745,533	6%
Venezuela	1,420,969	1,022,701	39%	6,541,714	7,560,644	-13%
Netherlands	818,672	1,551,889	-47%	5,738,206	9,336,614	-39%
India	580,722	230,225	152%	5,153,687	7,883,041	-35%
Switzerland	197,925	164,691	20%	4,744,023	4,801,845	-1%
Australia	1,864,594	517,924	260%	4,560,723	4,699,353	-3%
Spain	267,888	1,378,071	-81%	2,925,723	4,371,068	-33%
Austria	0	295,778	-100%	2,379,646	825,836	188%
Malaysia	342,227	97,603	251%	1,830,907	2,449,233	-25%
USSR	0	121,799	-100%	243,542	16,594,830	-99%

1992 IMPORTS

METAL CUTTING

COUNTRY	JUNE'92	MAY'92	% CHANGE	JUNE'92 YTD	JUNE'91 YTD	% CHANGE
Japan	$45,985,982	$50,438,766	-9%	$341,573,844	$369,720,423	-8%
Germany	24,214,385	28,685,915	-16%	144,891,447	229,996,115	-37%
Taiwan	7,944,438	6,496,502	22%	44,342,903	55,864,089	-21%
Switzerland	6,643,373	6,706,298	-1%	40,151,795	38,423,685	4%
United Kingdom	3,660,308	6,370,144	-43%	32,566,765	43,893,185	-26%
Italy	3,415,670	2,606,447	31%	15,560,877	22,586,768	-31%
Canada	3,500,788	3,961,020	-12%	15,533,948	9,227,562	68%
Spain	1,665,708	789,616	111%	9,650,219	10,983,545	-12%
South Korea	765,592	936,373	-18%	9,581,612	8,990,561	7%
Singapore	1,159,468	1,115,324	4%	8,748,679	5,478,835	60%
France	862,384	723,466	19%	4,696,149	9,905,423	-53%
Sweden	743,117	739,272	1%	3,975,654	12,305,402	-68%
Brazil	361,150	319,696	13%	3,279,551	4,144,455	-21%
Belgium	160,970	0	NA	355,072	1,296,992	-73%

METAL FORMING

COUNTRY	JUNE'92	MAY'92	% CHANGE	JUNE'92 YTD	JUNE'91 YTD	% CHANGE
Japan	$13,363,072	$13,686,007	-2%	$111,020,013	$129,230,004	-14%
Germany	7,962,668	6,469,714	23%	44,032,830	49,018,592	-10%
Canada	3,706,525	3,709,631	0%	23,777,096	24,564,708	-3%
Switzerland	4,347,333	2,213,622	96%	14,021,932	10,549,722	33%
United Kingdom	2,543,013	3,471,393	-27%	10,318,675	10,878,341	-5%
Italy	1,047,112	1,559,012	-33%	6,985,189	19,427,449	-64%
Sweden	536,606	2,333,830	-77%	5,575,539	7,156,320	-22%
Belgium	566,854	317,585	78%	4,290,769	4,948,678	-13%
Taiwan	479,880	411,253	17%	3,679,043	3,348,182	10%
France	133,016	517,628	-74%	3,422,609	1,102,255	211%
South Korea	97,585	1,039,872	-91%	1,627,655	445,335	265%
Spain	341,246	92,307	270%	1,569,934	1,533,013	2%
Singapore	3,750	0	NA	15,250	300,254	-95%
Brazil	0	0	NA	9,051	19,696,889	-100%

MACHINE TOOL TOTAL

COUNTRY	JUNE'92	MAY'92	% CHANGE	JUNE'92 YTD	JUNE'91 YTD	% CHANGE
Japan	$59,349,054	$64,124,773	-7%	$452,593,857	$498,950,427	-9%
Germany	32,177,053	35,155,629	-8%	188,924,277	279,014,707	-32%
Switzerland	10,990,706	8,919,920	23%	54,173,727	48,973,407	11%
Taiwan	8,424,318	6,907,755	22%	48,021,946	59,212,271	-19%
United Kingdom	6,203,321	9,841,537	-37%	42,885,440	54,771,526	-22%
Canada	7,207,313	7,670,651	-6%	39,311,044	33,792,270	16%
Italy	4,462,782	4,165,459	7%	22,546,066	42,014,217	-46%
Spain	2,006,954	881,923	128%	11,220,153	12,516,558	-10%
South Korea	863,177	1,976,245	-56%	11,209,267	9,435,896	19%
Sweden	1,279,723	3,073,102	-58%	9,551,193	19,461,722	-51%
Singapore	1,163,218	1,115,324	4%	8,763,929	5,779,089	52%
France	995,400	1,241,094	-20%	8,118,758	11,007,678	-26%
Belgium	727,824	317,585	129%	4,645,841	6,245,670	-26%
Brazil	361,150	319,696	13%	3,288,602	23,841,344	-86%

1992 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1992		FEBRUARY 1992		MARCH 1992		APRIL 1992	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	5,316	$11,265,820	5,422	$19,598,877	6,557	$15,515,671	6,715	$16,608,085
Boring machines	4	111,194	13	355,020	22	1,051,530	5	982,348
Drilling machines	46	2,480,904	77	1,808,417	144	1,028,066	50	610,942
Gear cutting machines	16	2,952,428	14	3,352,752	11	1,838,305	21	3,859,988
Grinding machines	296	11,067,320	248	6,487,757	298	7,112,597	195	6,333,052
NC horizontal lathes	22	4,786,634	16	2,123,339	22	2,483,249	21	3,845,252
NC vertical lathes	1	170,620	7	1,895,200	3	314,112	4	820,590
Non-NC lathes	44	3,333,427	36	1,234,899	39	866,194	28	775,663
Milling machines	35	6,163,478	43	5,628,228	43	4,140,783	46	2,783,629
Machining centers	18	4,153,920	43	2,912,384	26	3,823,849	20	4,144,535
Station type machines	2	689,332	24	3,705,541	5	6,212,800	5	679,025
Other metal cutting machines	191	5,028,354	261	7,372,840	260	5,534,794	296	7,665,317
Punching & shearing machines	75	2,962,166	120	6,014,865	92	4,643,641	135	4,669,531
Bending & forming machines	154	5,495,473	156	8,763,283	161	6,961,257	151	6,267,058
Presses	98	7,968,219	112	6,395,734	96	6,397,621	127	11,367,450
Forging machines	18	4,823,312	20	1,352,893	11	1,504,192	24	3,767,744
Other metal forming machines	221	11,490,938	324	12,788,805	320	7,847,518	198	10,936,704
MACHINE TOOL TOTAL	6,557	84,943,539	6,936	91,790,834	8,110	77,276,179	8,041	86,116,913

PRODUCT TYPES	MAY 1992		JUNE 1992		JUNE'92 YTD		JUNE 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	5,675	$14,631,339	7,613	$17,942,457	37,298	$95,562,249	6,716	$15,068,308
Boring machines	8	625,445	4	183,049	56	3,308,586	29	2,458,144
Drilling machines	37	404,865	140	1,080,214	494	7,413,408	182	2,096,676
Gear cutting machines	18	4,893,063	16	2,631,313	96	19,527,849	42	10,858,258
Grinding machines	316	8,690,095	237	10,271,795	1,590	49,962,616	390	12,599,243
NC horizontal lathes	21	3,217,185	16	1,788,225	118	18,243,884	25	2,373,736
NC vertical lathes	0	0	0	0	15	3,200,522	2	108,000
Non-NC lathes	60	1,894,668	42	2,369,310	249	10,474,161	49	2,263,152
Milling machines	28	1,384,138	34	2,820,657	229	22,920,913	73	6,889,800
Machining centers	28	2,886,287	12	2,796,111	147	20,717,086	24	2,660,799
Station type machines	18	12,100,629	23	25,613,289	77	49,000,616	6	2,649,559
Other metal cutting machines	348	6,377,535	249	6,892,759	1,605	38,871,599	273	9,131,128
Punching & shearing machines	145	7,422,484	154	6,325,240	721	32,037,927	129	3,810,698
Bending & forming machines	161	8,033,223	119	4,219,304	902	39,739,598	257	9,068,216
Presses	194	8,034,806	312	14,367,534	939	54,531,364	210	6,552,960
Forging machines	18	1,845,378	43	7,155,512	134	20,449,031	40	5,388,723
Other metal forming machines	155	8,986,110	271	8,809,407	1,489	60,859,482	234	11,390,564
MACHINE TOOL TOTAL	7,230	91,427,250	9,285	115,266,176	46,159	546,820,891	8,681	105,367,964

1992 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JUNE'91 YTD		% CHANGE MAY'92–JUNE'92		% CHANGE JUNE'91–JUNE'92		% CHANGE YTD'91–YTD'92	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	34,417	$79,852,236	34.1%	22.6%	13.4%	19.1%	8.4%	19.7%
Boring machines	71	7,804,458	-50.0%	-70.7%	-86.2%	-92.6%	-21.1%	-57.6%
Drilling machines	631	12,200,190	278.4%	166.8%	-23.1%	-48.5%	-21.7%	-39.2%
Gear cutting machines	156	38,896,041	-11.1%	-46.2%	-61.9%	-75.8%	-38.5%	-49.8%
Grinding machines	1,779	57,964,443	-25.0%	18.2%	-39.2%	-18.5%	-10.6%	-13.8%
NC horizontal lathes	159	17,847,573	-23.8%	-44.4%	-36.0%	-24.7%	-25.8%	2.2%
NC vertical lathes	21	1,664,230	NA	NA	-100.0%	-100.0%	-28.6%	92.3%
Non-NC lathes	275	8,022,496	-30.0%	25.1%	-14.3%	4.7%	-9.5%	30.6%
Milling machines	269	22,927,260	21.4%	103.8%	-53.4%	-59.1%	-14.9%	0.0%
Machining centers	160	27,231,030	-57.1%	-3.1%	-50.0%	5.1%	-8.1%	-23.9%
Station type machines	30	32,588,398	27.8%	111.7%	283.3%	866.7%	156.7%	50.4%
Other metal cutting machines	1,703	45,348,854	-28.4%	8.1%	-8.8%	-24.5%	-5.8%	-14.3%
Punching & shearing machines	669	28,405,242	6.2%	-14.8%	19.4%	66.0%	7.8%	12.8%
Bending & forming machines	822	37,667,244	-26.1%	-47.5%	-53.7%	-53.5%	9.7%	5.5%
Presses	991	37,914,887	60.8%	78.8%	48.6%	119.3%	-5.2%	43.8%
Forging machines	142	22,709,215	138.9%	287.8%	7.5%	32.8%	-5.6%	-10.0%
Other metal forming machines	1,374	72,414,933	74.8%	-2.0%	15.8%	-22.7%	8.4%	-16.0%
MACHINE TOOL TOTAL	43,669	551,458,730	28.4%	26.1%	7.0%	9.4%	5.7%	-0.8%

1992 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1992		FEBRUARY 1992		MARCH 1992		APRIL 1992	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	94,127	$12,280,602	81,661	$11,946,493	71,929	$14,045,979	84,774	$11,587,883
Boring machines	25	3,463,952	36	989,787	45	3,737,653	26	4,588,124
Drilling machines	97	4,705,463	104	2,226,497	36	2,753,876	62	3,198,537
Gear cutting machines	37	6,172,007	4	649,747	23	1,307,398	26	6,552,810
Grinding machines	512	27,479,836	361	11,708,165	475	16,761,975	471	16,109,963
NC horizontal lathes	153	15,234,824	285	26,313,185	235	23,072,156	195	17,708,086
NC vertical lathes	16	1,194,631	4	987,274	18	4,031,865	9	3,892,886
Non-NC lathes	207	3,386,097	249	4,832,824	242	4,680,480	363	4,759,828
Milling machines	138	4,406,171	198	2,995,701	244	3,330,393	154	5,797,535
Machining centers	200	22,852,787	215	23,855,068	227	27,699,714	201	45,488,842
Station type machines	18	19,481,908	12	2,219,038	9	1,337,261	11	2,415,601
Other metal cutting machines	280	16,298,473	264	10,069,462	284	18,240,822	278	15,889,936
Punching & shearing machines	100	7,476,279	99	5,200,811	75	5,203,477	144	8,147,610
Bending & forming machines	151	11,974,223	125	4,205,804	147	6,328,325	151	6,424,005
Presses	101	15,951,346	598	3,793,878	364	7,021,117	361	8,270,967
Forging machines	104	2,006,697	166	1,340,569	45	17,634,877	133	13,299,820
Other metal forming machines	151	10,016,946	125	8,391,681	228	6,298,417	187	8,374,858
MACHINE TOOL TOTAL	96,417	184,382,242	84,506	121,725,984	74,626	163,485,785	87,546	182,507,291

PRODUCT TYPES	MAY 1992		JUNE 1992		JUNE '92 YTD		JUNE 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	79,166	$18,808,253	62,688	$11,861,015	474,345	$80,530,225	60,137	$11,892,444
Boring machines	24	943,461	48	1,969,225	204	15,692,202	55	3,314,472
Drilling machines	49	1,295,026	46	1,642,707	394	15,822,106	146	3,825,684
Gear cutting machines	16	3,349,701	6	1,049,835	112	19,081,498	57	3,552,435
Grinding machines	386	17,789,460	357	13,207,642	2,562	103,057,041	382	13,752,180
NC horizontal lathes	214	20,593,605	184	17,975,797	1,266	120,897,653	196	20,231,721
NC vertical lathes	2	581,745	18	2,711,922	67	13,400,323	6	908,254
Non-NC lathes	318	5,138,132	245	4,098,627	1,624	26,895,988	402	8,630,438
Milling machines	214	5,538,178	258	5,225,691	1,206	27,293,669	328	6,999,359
Machining centers	176	21,438,242	200	35,529,123	1,219	176,863,776	221	26,931,681
Station type machines	18	10,511,806	9	1,906,874	77	37,872,488	18	37,041,344
Other metal cutting machines	297	10,768,201	228	10,155,951	1,631	81,422,845	307	9,268,796
Punching & shearing machines	85	10,178,018	86	6,545,270	589	42,751,465	81	5,494,669
Bending & forming machines	149	4,929,111	144	12,298,846	867	46,160,314	129	5,919,854
Presses	209	9,501,579	99	3,885,875	1,732	48,424,762	131	5,872,448
Forging machines	62	16,348,004	51	3,534,620	561	54,164,587	69	5,986,386
Other metal forming machines	116	4,791,201	194	8,541,571	1,001	46,414,674	180	9,024,713
MACHINE TOOL TOTAL	81,501	162,503,723	64,861	142,140,591	489,457	956,745,616	62,845	178,646,878

1992 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JUNE'91 YTD		% CHANGE MAY'92–JUNE'92		% CHANGE JUNE'91–JUNE'92		% CHANGE YTD'91–YTD'92	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	443,546	$85,405,926	-20.8%	-36.9%	4.2%	-0.3%	6.9%	-5.7%
Boring machines	350	29,118,860	100.0%	108.7%	-12.7%	-40.6%	-41.7%	-46.1%
Drilling machines	645	26,249,345	-6.1%	26.8%	-68.5%	-57.1%	-38.9%	-39.7%
Gear cutting machines	256	30,267,788	-62.5%	-68.7%	-89.5%	-70.4%	-56.3%	-37.0%
Grinding machines	3,072	116,095,986	-7.5%	-25.8%	-6.5%	-4.0%	-16.6%	-11.2%
NC horizontal lathes	1,326	138,126,364	-14.0%	-12.7%	-6.1%	-11.2%	-4.5%	-12.5%
NC vertical lathes	56	12,235,337	800.0%	366.2%	200.0%	198.6%	19.6%	9.5%
Non–NC lathes	2,535	44,049,910	-23.0%	-20.2%	-39.1%	-52.5%	-35.9%	-38.9%
Milling machines	1,840	42,428,614	20.6%	-5.6%	-21.3%	-25.3%	-34.5%	-35.7%
Machining centers	1,240	151,303,291	13.6%	65.7%	-9.5%	31.9%	-1.7%	16.9%
Station type machines	91	115,383,786	-50.0%	-81.9%	-50.0%	-94.9%	-15.4%	-67.2%
Other metal cutting machines	1,794	85,139,308	-23.2%	-5.7%	-25.7%	9.6%	-9.1%	-4.4%
Punching & shearing machines	505	27,037,496	1.2%	-35.7%	6.2%	19.1%	16.6%	58.1%
Bending & forming machines	895	40,892,701	-3.4%	149.5%	11.6%	107.8%	-3.1%	12.9%
Presses	1,069	101,302,328	-52.6%	-59.1%	-24.4%	-33.8%	62.0%	-52.2%
Forging machines	422	32,003,970	-17.7%	-78.4%	-26.1%	-41.0%	32.9%	69.2%
Other metal forming machines	1,388	74,339,843	67.2%	78.3%	7.8%	-5.4%	-27.9%	-37.6%
MACHINE TOOL TOTAL	461,030	1,151,380,853	-20.4%	-12.5%	3.2%	-20.4%	6.2%	-16.9%

U.S. EXPORTS
Metal Cutting Machine Tools - June 92

RELEASED: September 2, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	89	6911	16	1797
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	30	3520	3	778
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	12	2822	3	1104
100035	Horizontal machining centers, ATC	14	3738	0	0
100045	Machining centers, n.e.c.	91	10637	6	914
200010	Unit construction mach. (single station transfer), NC	5	1556	1	162
200090	Unit construction mach. (single station transfer), non-NC	8	5850	0	0
300010	Multi-station transfer machines, NC	19	27840	10	21282
300090	Multi-station transfer machines, non-NC	34	12834	7	3972
8458110010	Horizontal lathes, multiple spindle, NC	35	3344	8	814
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	46	6189	4	478
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	20	4425	0	0
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	17	4286	4	496
190030	Horizontal engine or toolroom lathes, non-NC	22	530	3	48
190050	Automatic bar and/or chucking mach., single spindle, non-NC	5	198	1	29
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	57	3048	15	1183
190090	Horizontal lathes, n.e.c., non-NC	120	2088	14	653
911060	Vertical turret lathes, multiple spindle, NC	1	84	0	0
911080	Vertical turret lathes, n.e.c., NC	4	855	0	0
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	10	2261	0	0
991050	Vertical turret lathes, non-NC	9	525	0	0
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	36	4086	9	456
8459100000	Way-type unit head machines	11	921	5	197
210080	Other drilling machines, NC	43	4217	3	83
290040	Drilling machines, multiple spindle, non-NC	6	185	0	0
290050	Drilling machines, radial, non-NC	11	130	2	40
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	7	345	4	234
290090	Drilling machines, n.e.c., non-NC	427	2537	131	724
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	0	0	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	0	0	0	0
310070	Boring-milling machines, n.e.c., NC	13	834	0	0
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	0	0	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	17	412	4	183
400040	Boring machines, vertical, NC	0	0	0	0
400050	Boring machines, vertical, non-NC	15	1087	0	0
400070	Boring machines, n.e.c., NC	2	271	0	0
400080	Boring machines, n.e.c., non-NC	9	704	0	0
510080	Milling machines, knee type, NC	5	1626	3	149
590030	Milling machines, knee type, non-NC	105	3946	10	345
610080	Milling machines, excluding knee type, n.e.c., NC	35	12099	4	2027
690050	Milling machines, profile, dup., or die sinking, non-NC	9	668	0	0
690070	Milling machines, bed type, non-NC	2	53	1	27
690090	Milling machines, n.e.c., non-NC	73	4529	16	272
700020	Threading or tapping machines, n.e.c., NC	8	657	0	0
700080	Threading or tapping machines, n.e.c., non-NC	129	1648	42	371
8460110080	Flat surface grinding machines, NC	41	1552	5	124
190010	Flat surface grinding mach., recip.-table type, non-NC	10	115	2	19
190050	Flat surface grinding machines, n.e.c., non-NC	38	5348	0	0
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	38	11120	15	5679
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	10	2857	1	75
290030	Grinding machines, internal cylindrical, non-NC	46	3507	0	0
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	130	7544	22	1453
310080	Sharpening machines (tool & cutter grinding), NC	35	1589	11	393
390050	Sharpening machines (tool & cutter grinding), non-NC	235	1953	24	287
400060	Honing or lapping machines, NC	1	44	0	0
400080	Honing or lapping machines, non-NC	252	3258	28	477
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	10	2187	1	228
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	744	8890	128	1536
8461100060	Planing machines, NC	3	1752	0	0
100080	Planing machines, non-NC	71	1931	8	102
200010	Shaping or slotting machines, NC	13	451	0	0
200090	Shaping or slotting machines, non-NC	17	298	10	45
300060	Broaching machines, NC	50	4311	41	2515
300080	Broaching machines, non-NC	12	1272	3	75
401050	Gear hobbers	9	1081	3	351
401070	Gear shapers	11	1079	2	600
401090	Gear cutting machines, n.e.c.	54	13940	11	1680
405060	Gear grinding or finishing machines	22	3428	0	0
500050	Sawing or cutting-off machines, NC	34	1722	4	90
500090	Sawing or cutting-off machines, non-NC	582	7616	53	486
9000000001	Metal cutting machine tools, n.e.c.	597	10301	72	1412
9800000001	Used or rebuilt machine tools	4320	45700	407	10787
9900000001	Machine tools valued at less than $3,025	24318	11758	5419	2492
	Cutting Total			6599	69726
	Y-T-D Cutting Total	33314	301099		
	NC Y-T-D Cutting Total*	768	124682		

Please see notes on last page
of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - June 92

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	3	490
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	1	227
100035	0	0	0	0	0	0	0	0	0	0
100045	2	379	0	0	0	0	0	0	1	60
200010	0	0	0	0	1	162	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	3	297
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	2	237	2	259
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	1	29
190070	0	0	0	0	0	0	0	0	1	448
190090	0	0	0	0	0	0	0	0	7	374
111060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	2	66
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	1	4
290090	0	0	0	0	0	0	0	0	33	153
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	167
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	2	104
590030	2	55	0	0	0	0	0	0	2	62
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	3	40
700020	0	0	0	0	0	0	0	0	0	0
700080	1	59	0	0	2	84	0	0	7	115
8460110080	0	0	0	0	0	0	0	0	1	25
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	2	662
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	5	426
310080	0	0	0	0	0	0	0	0	0	0
390050	2	111	0	0	0	0	1	6	13	120
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	2	13	3	243
900060	0	0	0	0	0	0	0	0	1	228
900080	0	0	0	0	0	0	0	0	20	307
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	1	17
300060	0	0	0	0	0	0	0	0	1	667
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	4	90
500090	3	18	0	0	0	0	0	0	11	103
9000000001	1	6	0	0	0	0	14	240	10	189
9800000001	6	26	0	0	5	5	6	49	56	2054
9900000001	80	74	0	0	81	40	0	0	231	263
Month Tot	97	728	0	0	89	290	25	544	429	8287
Y-T-D Tot	444	2505	25	1404	192	1189	316	4820	3626	55149
NC YTD Tot*	8	687	5	1337	5	487	21	2348	162	22215

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - June 92

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	1	101	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	1	940
8458110010	0	0	0	0	0	0	0	0	0	0
110030	2	240	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	9	42	4	20	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	1	52	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	27	97	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	248	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	1	7	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	1	5	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	2	47	0	0	0	0	1	21	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	22	268	1	28	2	104	1	5	4	41
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	2	16	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	1	18	0	0	2	20	0	0
9000000001	0	0	0	0	0	0	4	45	0	0
9800000001	28	863	0	0	21	940	3	371	4	28
9900000001	5	3	14	9	671	439	4	3	0	0
Month Tot	69	1515	21	322	725	1703	16	472	9	1009
Y-T-D Tot	434	17966	430	3831	1901	10453	244	4450	68	6397
NC YTD Tot*	34	7866	14	1595	29	2512	6	578	3	135

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - June 92

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	3	158	0	0	0	0	1	97
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	2	374	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	7	19592	0	0	3	1691
300090	0	0	0	0	0	0	0	0	6	3032
8458110010	0	0	0	0	0	0	0	0	2	224
110030	0	0	0	0	0	0	0	0	1	42
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	11	491	0	0	0	0	0	0
190090	0	0	0	0	1	50	0	0	4	29
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	5	349
8459100000	0	0	0	0	0	0	0	0	5	197
210080	0	0	0	0	0	0	0	0	2	61
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	1	12
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	13	107	0	0	6	104
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	2	8
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	1	19	0	0	2	50
610080	0	0	0	0	0	0	0	0	3	1975
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	4	124	1	15	0	0	5	30
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	1	4
8460110080	0	0	0	0	0	0	0	0	4	99
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	3	997	0	0	9	3772
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	1	539	0	0	0	0	0	0	2	46
310080	0	0	0	0	1	23	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	9	44	0	0	2	25
900060	0	0	0	0	0	0	0	0	0	0
900080	2	93	11	43	3	23	0	0	11	97
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	1	7
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	9	28
300060	0	0	0	0	0	0	0	0	40	1849
300080	0	0	0	0	0	0	0	0	3	75
401050	0	0	0	0	3	351	0	0	0	0
401070	2	600	0	0	0	0	0	0	0	0
401090	1	927	0	0	0	0	0	0	9	703
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	5	24	0	0	9	48
9000000001	1	7	11	88	11	409	0	0	0	0
9800000001	11	74	4	29	41	2659	3	3	134	2123
9900000001	45	33	90	23	48	52	6	10	1151	367
Month Tot	63	2274	134	955	149	24738	9	13	1433	17145
Y-T-D Tot	816	10040	1473	19687	873	46060	190	488	7076	49730
NC YTD Tot*	7	2513	53	4318	69	30041	0	0	154	23867

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - June 92

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	1	84
8457100015	1	155	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	2	877
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	1	57
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	1	16	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	1	75	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	6	37
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	1	15	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	0	0	8	86	2	69
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	3	26	1	6	0	0	1	3
9000000001	2	27	0	0	0	0	5	55	0	0
9800000001	0	0	0	0	3	231	0	0	1	41
9900000001	27	21	75	58	0	0	16	10	40	56
Month Tot	32	294	79	99	4	237	29	151	54	1224
Y-T-D Tot	331	3264	1362	5220	192	1837	275	3149	1311	11413
NC YTD Tot*	23	1452	8	882	0	0	9	2325	39	9027

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - June 92

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	7	400	1	569	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	1	100	1	523
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	3	293
110030	0	0	1	196	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	1	3	0	0	0	0	2	45
190050	0	0	0	0	0	0	0	0	0	0
190070	2	188	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	2	200
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	2	42
8459100000	0	0	0	0	0	0	0	0	0	0
210080	1	22	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	1	28	0	0
290070	0	0	0	0	0	0	0	0	3	230
290090	0	0	0	0	0	0	0	0	66	298
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	8
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	1	46
590030	0	0	0	0	0	0	0	0	3	160
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	1	27	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	2	48
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	4	13	0	0
110080	0	0	0	0	0	0	0	0	0	0
8460190010	0	0	0	0	0	0	0	0	2	19
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	8	276	0	0	0	0	5	159
310080	0	0	0	0	0	0	7	251	3	119
390050	0	0	0	0	0	0	0	0	1	8
400060	0	0	0	0	0	0	0	0	0	0
400080	2	18	0	0	0	0	0	0	6	50
900060	0	0	0	0	0	0	0	0	0	0
900080	5	24	2	59	0	0	16	169	18	120
8461100060	0	0	0	0	0	0	0	0	0	0
100080	3	60	0	0	0	0	1	7	1	12
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	1	50
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	1	10	4	39	0	0	1	9	11	161
9000000001	1	14	6	242	0	0	0	0	6	90
9800000001	11	27	6	189	0	0	2	33	62	1044
9900000001	7	4	8	17	0	0	92	54	2728	957
Month Tot	40	767	38	1617	0	0	125	663	2930	4679
Y-T-D Tot	1709	2168	1270	10774	0	0	1963	3437	6793	25668
NC YTD Tot*	14	975	34	4623	0	0	19	887	52	4010

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
June 92

RELEASED: September 2, 1992

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	232	4037	33	563
8462100030	Headers and upsetters, including cold headers	12	7968	6	3799
100050	Forging or die stamping machines, and hammers, n.e.c.	122	12481	37	3356
210080	Bending, folding, straight. or flat. mach., incl presses, NC	252	18001	28	1684
290030	Press brakes, non-NC	93	2721	19	880
290040	Bending rolls, non-NC	43	1650	18	680
290050	Bending, folding, straight., or flat., n.e.c., non-NC	514	17367	54	975
310080	Shearing machines, NC	49	3525	11	1191
390050	Shearing machines, non-NC	217	4192	60	1182
410080	Punching or notching mach., incl. comb. punch & shear, NC	141	14758	35	3123
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	314	9564	48	829
910060	Hydraulic presses, NC	49	2626	27	1564
910090	Hydraulic presses, non-NC	242	7151	52	1120
990030	Presses, n.e.c., NC	78	7669	12	578
990040	Presses, mechanical, non-NC	34	3438	6	1065
990060	Presses, n.e.c., non-NC	536	33647	215	10040
8463100080	Draw benches for bars, tubes, profiles, wire or the like	75	2323	2	68
200080	Thread rolling machines	14	331	1	54
300080	Machines for working wire	346	9310	80	1305
900080	Metal forming machine tools, n.e.c.	822	44858	155	6820
9800000002	Used or rebuilt machine tools	1452	32172	288	3449
9900000002	Machine tools valued at less than $3,025	7208	5932	1499	1214
	Forming Total			2686	45540
	Y-T-D Forming Total	12845	245722		
	NC Y-T-D Forming Total	569	46579		
	Cutting and Forming Totals:				
	Monthly Total			9285	115266
	Y-T-D Total	46159	546821		
	NC Y-T-D Total*	1337	171261		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	394889	0	81412
2000000000	Parts for working rubber or plastics - heading 8477	0	122889	0	19371
2710003070	Quenching or cutting oils	0	3589	0	567
8428900010	Industrial robots for lifting, handling, loading or unload	704	6545	110	513
8431390090	Parts industrial robots, handling and loading - heading 8428	0	58069	0	7472
8456100000	Laser, light or photon beam for working any material	171	10356	21	1103
200000	Ultrasonic process for working any material	9	284	0	0
8477106010	Injection molding mach., for rubber or oth. thermosetting	149	13757	40	4449
106070	Injection molding machines, for thermoplastics	297	40845	40	5133
200005	Extruders; rubber or other thermosetting mat., single screw	26	2138	6	324
200015	Extruders; rubber or thermosetting, other incl. multi. screw	73	10031	10	615
200030	Extruders; thermoplastics, single screw	117	8970	16	815
200060	Extruders; thermoplastics, other incl. multi. screw	40	4045	4	578
300000	Blow molding machines	384	26153	49	2394
400000	Vacuum-molding and other thermoforming machines	920	7375	35	300
510010	Machines for molding or retreading pneumatic tires	2612	17654	164	2481
510090	Machines for molding or otherwise forming inner tubes	466	2980	69	953
590000	Machines for molding or otherwise forming n.e.c.	961	13740	139	2370
800000	Machines for working rubber or plastics n.e.c.	2200	49517	385	9219
8479899040	Industrial robots, n.e.c.	2931	33083	525	6411
908040	Industrial robot parts	0	14850	0	2366
8537100030	Numerical controls for controlling machine tools	937	12846	153	2029
9024100000	Machines and appliances for testing metals	0	29154	0	4994
9031100000	Machines for balancing mechanical parts	0	13422	0	2005
300000	Profile projectors	0	1527	0	208
9032810040	Industrial process control instr., hydraulic or pneumatic	214395	19869	37114	3797

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
*** "NC Y-T-D Total" does not include code 8456300000.**
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
June 92

Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	1	648	0	0
100050	0	0	0	0	14	892	3	202	4	1248
210080	0	0	0	0	0	0	3	114	2	72
290030	0	0	0	0	0	0	0	0	1	34
290040	0	0	0	0	0	0	0	0	4	43
290050	0	0	0	0	1	7	0	0	27	351
310080	0	0	0	0	0	0	0	0	2	69
390050	0	0	0	0	0	0	0	0	33	821
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	0	0	0	0	0	0	30	389
910060	0	0	0	0	0	0	15	217	3	94
910090	0	0	0	0	0	0	0	0	2	136
990030	0	0	0	0	0	0	0	0	4	122
990040	2	133	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	0	0	10	97
8463100080	0	0	0	0	1	16	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	2	41	4	55
900080	26	648	0	0	0	0	0	0	17	585
9800000002	4	328	0	0	0	0	0	0	29	294
9900000002	34	27	0	0	141	88	24	20	294	267
Month Tot	66	1136	0	0	157	1004	48	1242	466	4678
Y-T-D Tot	226	2055	73	975	449	8401	272	5411	1923	30744
NC YTD Tot	2	113	0	0	4	154	27	536	65	5132
C&F Month	163	1865	0	0	246	1294	73	1786	895	12966
C&F Y-T-D	670	4561	98	2380	641	9590	588	10231	5549	85893
C&F NC YTD*	10	800	5	1337	9	641	48	2884	227	27347

Other Manufacturing Technology

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	968	0	173	0	917	0	620	0	11671
2000000000	0	164	0	225	0	167	0	444	0	5368
2710003070	0	0	0	0	0	98	0	9	0	151
8428900010	0	0	0	0	0	0	0	0	28	277
8431390090	0	72	0	3	0	20	0	70	0	1677
8456100000	0	0	0	0	0	0	0	0	2	105
200000	0	0	0	0	0	0	0	0	0	0
8477106010	1	170	0	0	0	0	2	150	6	341
106070	0	0	0	0	0	0	0	0	14	1772
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	7	344
200030	5	220	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	1	98
300000	9	91	0	0	0	0	8	626	1	324
400000	15	102	0	0	0	0	0	0	2	44
510010	15	79	0	0	15	101	0	0	1	26
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	18	280	0	0	3	45
800000	2	380	0	0	0	0	13	3809	94	1448
8479899040	1	30	0	0	0	0	2	14	391	2348
908040	0	0	0	0	0	5	0	8	0	749
8537100030	2	25	2	31	8	109	0	0	5	49
9024100000	0	45	0	7	0	32	0	39	0	1008
9031100000	0	72	0	0	0	0	0	54	0	879
300000	0	3	0	0	0	0	0	0	0	4
9032810040	2076	142	257	88	883	65	345	46	1587	105

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
June 92

Metal Forming

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	2	245	2	19	0	0	0	0
8462100030	0	0	0	0	1	379	0	0	0	0
100050	1	40	1	36	0	0	0	0	1	57
210080	0	0	0	0	1	40	1	44	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	2	35	3	64	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	2	150	1	53	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	1	55	0	0
990030	0	0	0	0	1	180	0	0	0	0
990040	1	35	0	0	0	0	0	0	0	0
990060	0	0	0	0	9	2268	0	0	12	342
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	3	47	0	0	0	0
900080	0	0	0	0	9	80	2	9	0	0
9800000002	2	8	4	16	1	82	0	0	0	0
9900000002	0	0	15	12	185	126	0	0	0	0
Month Tot	4	83	26	495	216	3338	4	109	13	399
Y-T-D Tot	127	7682	252	8356	710	19650	120	703	45	1199
NC YTD Tot	16	1747	4	652	9	1034	2	90	0	0
C&F Month	73	1597	47	817	941	5042	20	581	22	1408
C&F Y-T-D	561	25648	682	12186	2611	30103	364	5154	113	7596
C&F NC YTD*	50	9613	18	2247	38	3545	8	668	3	135

Other Manufacturing Technology

	China		France		Germany **		India		Indonesia	
1000000000	0	1525	0	1506	0	5088	0	446	0	544
2000000000	0	9	0	250	0	1920	0	170	0	62
2710003070	0	7	0	0	0	17	0	0	0	0
8428900010	0	0	0	0	5	126	0	0	0	0
8431390090	0	501	0	49	0	85	0	7	0	320
8456100000	0	0	2	259	5	390	0	0	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	2	235	1	80	0	0	0	0
106070	0	0	0	0	10	980	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	1	29	0	0	0	0
200060	1	405	0	0	0	0	0	0	0	0
300000	0	0	6	105	6	137	0	0	0	0
400000	0	0	0	0	0	0	0	0	0	0
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	26	217	1	216	3	49	0	0	0	0
800000	0	0	3	34	1	9	0	0	0	0
8479899040	0	0	13	435	25	553	0	0	0	0
908040	0	100	0	167	0	113	0	0	0	0
8537100030	10	169	15	168	9	127	0	0	0	0
9024100000	0	5	0	114	0	185	0	33	0	0
9031100000	0	0	0	26	0	3	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
9032810040	0	0	4510	331	938	132	5	3	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
June 92

Metal Forming

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	20	225	0	0	3	36	0	0	0	0
8462100030	0	0	1	1469	0	0	0	0	1	366
100050	1	111	2	105	8	539	0	0	0	0
210080	4	174	1	29	6	764	0	0	4	187
290030	0	0	0	0	8	310	0	0	8	420
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	2	67	0	0	0	0	5	223
310080	0	0	0	0	0	0	0	0	7	1028
390050	2	40	1	4	2	25	0	0	3	22
410080	1	58	1	25	3	577	3	329	11	839
490050	1	17	0	0	0	0	0	0	3	51
910060	0	0	0	0	7	75	0	0	1	1168
910090	0	0	4	50	0	0	0	0	26	353
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	2	606	0	0	0	0	0	0
990060	0	0	5	121	1	325	0	0	159	6264
8463100080	0	0	0	0	0	0	0	0	1	52
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	8	211	0	0	0	0	4	54
900080	2	44	5	119	29	3255	0	0	11	134
9800000002	3	51	1	50	4	70	0	0	97	828
9900000002	2	3	107	47	24	23	0	0	289	283
Month Tot	36	722	140	2901	95	5999	3	329	630	12272
Y-T-D Tot	383	10429	780	15395	423	20450	48	1343	3142	44655
NC YTD Tot	72	5444	16	2300	60	6619	10	784	79	7463
C&F Month	99	2995	274	3857	244	30738	12	342	2063	29416
C&F Y-T-D	1199	20469	2253	35082	1296	66510	238	1831	10218	94385
C&F NC YTD*	79	7957	69	6618	129	36660	10	784	233	31331

Other Manufacturing Technology

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	1842	0	8736	0	4034	0	313	0	22958
2000000000	0	261	0	1113	0	163	0	127	0	1665
2710003070	0	15	0	9	0	6	0	0	0	13
8428900010	3	33	1	10	0	0	1	12	0	0
8431390090	0	28	0	838	0	343	0	0	0	591
8456100000	1	30	1	16	1	19	0	0	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	10	1099
106070	0	0	3	246	1	150	0	0	1	1085
200005	0	0	0	0	0	0	0	0	6	324
200015	0	0	0	0	0	0	0	0	3	271
200030	0	0	0	0	1	326	1	25	6	159
200060	0	0	0	0	0	0	0	0	1	50
300000	0	0	4	69	0	0	0	0	6	904
400000	0	0	2	23	0	0	0	0	2	74
510010	0	0	11	275	1	18	0	0	3	165
510090	13	315	11	272	0	0	0	0	1	15
590000	6	93	13	231	10	242	1	22	1	131
800000	24	848	0	0	8	428	27	148	73	1328
8479899040	31	222	20	2052	1	59	0	0	8	109
908040	0	17	0	876	0	0	0	0	0	49
8537100030	2	62	3	28	18	276	0	0	1	9
9024100000	0	158	0	1138	0	298	0	0	0	117
9031100000	0	19	0	10	0	150	0	0	0	632
300000	0	10	0	0	0	19	0	0	0	0
9032810040	2741	287	1021	121	858	66	0	0	293	69

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
June 92

Metal Forming

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	3	160
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	1	500
290050	1	15	0	0	1	16	1	18	0	0
310080	2	95	0	0	0	0	0	0	0	0
390050	0	0	2	26	0	0	0	0	0	0
410080	3	350	5	170	0	0	0	0	1	149
490050	1	5	3	43	0	0	0	0	2	14
910060	0	0	0	0	1	10	0	0	0	0
910090	0	0	0	0	0	0	0	0	13	436
990030	0	0	0	0	0	0	0	0	1	41
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	0	0	7	186
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	1	12	0	0	0	0	0	0	0	0
900080	4	31	10	373	0	0	0	0	3	367
9800000002	0	0	4	30	0	0	0	0	0	0
9900000002	21	18	7	6	10	4	34	29	17	11
Month Tot	33	525	31	648	12	31	35	47	48	1365
Y-T-D Tot	134	2475	274	5724	51	1089	260	1595	165	8648
NC YTD Tot	12	1695	44	1521	7	334	12	1003	27	2205
C&F Month	65	819	110	747	16	268	64	198	102	3088
C&F Y-T-D	465	5738	1636	10945	243	2926	535	4744	1476	20061
C&F NC YTD*	35	3147	52	2403	7	334	21	3328	66	11232

Other Manufacturing Technology

1000000000	0	1130	0	810	0	331	0	789	0	2330
2000000000	0	237	0	400	0	146	0	106	0	144
2710003070	0	18	0	54	0	0	0	0	0	11
8428900010	0	0	3	25	0	0	0	0	0	0
8431390090	0	50	0	94	0	7	0	34	0	43
8456100000	6	122	0	0	0	0	1	120	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	1	70	0	0	0	0
106070	1	109	0	0	0	0	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	6	103	0	0	0	0	0	0
400000	0	0	0	0	0	0	0	0	0	0
510010	76	222	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	4	380	0	0	1	6
800000	3	45	43	79	2	25	0	0	4	5
8479899040	20	122	1	32	0	0	0	0	2	49
908040	0	15	0	8	0	0	0	11	0	0
8537100030	3	47	1	9	0	0	0	0	30	398
9024100000	0	32	0	373	0	39	0	10	0	105
9031100000	0	0	0	16	0	0	0	0	0	0
300000	0	19	0	19	0	0	0	22	0	83
9032810040	1237	593	1260	105	286	73	284	26	1268	83

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
June 92

Metal Forming

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	1	6	5	31
8462100030	0	0	2	938	0	0	0	0	0	0
100050	1	47	1	79	0	0	0	0	0	0
210080	0	0	2	53	0	0	0	0	1	47
290030	0	0	0	0	0	0	0	0	2	117
290040	0	0	12	94	0	0	0	0	1	43
290050	0	0	6	65	0	0	0	0	5	114
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	16	236	0	0	0	0	1	8
410080	1	194	2	52	0	0	0	0	4	380
490050	0	0	3	46	0	0	0	0	2	60
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	6	90
990030	0	0	0	0	0	0	0	0	6	234
990040	0	0	1	291	0	0	0	0	0	0
990060	0	0	2	20	0	0	2	215	8	202
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	1	54
300080	0	0	0	0	0	0	3	311	55	574
900080	2	59	6	212	0	0	1	81	28	822
9800000002	1	9	16	397	0	0	7	128	115	1159
9900000002	0	0	129	108	0	0	15	17	151	125
Month Tct	5	309	198	2593	0	0	29	758	391	4058
Y-T-D Tot	101	4975	869	14085	13	244	156	3105	1849	26336
NC YTD Tot	3	1131	33	2382	0	0	0	0	65	4242
C&F Month	45	1075	236	4210	0	0	154	1421	3321	8737
C&F Y-T-D	1810	7143	2139	24859	13	244	2119	6542	8642	52004
C&F NC YTD*	17	2106	67	7005	0	0	19	887	117	8252

Other Manufacturing Technology

1000000000	0	451	0	4896	0	22	0	377	0	8934
2000000000	0	847	0	796	0	0	0	845	0	3740
2710003070	0	10	0	3	0	0	0	0	0	142
8428900010	0	0	3	20	0	0	0	0	66	11
8431390090	0	51	0	142	0	0	0	289	0	2058
8456100000	0	0	1	19	0	0	0	0	1	22
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	2	148	0	0	7	1602	8	554
106070	0	0	2	302	0	0	0	0	8	489
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	1	14	0	0	0	0	0	0	1	42
200060	0	0	0	0	0	0	0	0	1	25
300000	0	0	0	0	0	0	0	0	3	35
400000	0	0	0	0	0	0	0	0	14	56
510010	0	0	0	0	0	0	7	164	35	1430
510090	20	76	1	5	0	0	1	133	22	137
590000	10	104	19	238	0	0	0	0	23	118
800000	1	11	17	312	0	0	5	32	65	278
8479899040	0	0	5	249	0	0	0	0	5	135
908040	0	0	0	137	0	0	0	12	0	100
8537100030	1	12	32	392	0	0	0	0	11	119
9024100000	0	66	0	470	0	0	0	45	0	675
9031100000	0	0	0	10	0	0	0	45	0	89
300000	0	0	0	18	0	0	0	0	0	10
9032810040	0	0	2604	390	0	0	1656	174	13005	898

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
June 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	4	142	4	94	8	236
Denmark	1	523	9	7	10	530
Finland	68	153	0	0	68	153
Greece	6	100	36	54	42	154
Hungary	0	0	0	0	0	0
Iceland	0	0	0	0	0	0
Ireland	2	20	1	12	3	32
Luxembourg	0	0	0	0	0	0
Norway	4	51	0	0	4	51
Poland	2	5	6	41	8	46
Portugal	2	18	2	9	4	27
Romania	0	0	0	0	0	0
Sweden	2	635	1	3	3	638
Turkey	0	0	4	301	4	301
Yugoslavia	0	0	0	0	0	0
Oth Europe	2	200	7	180	9	380
TOTAL	1094	8734	783	9457	1877	18191
NORTH AND CENTRAL AMERICA						
Bahamas	0	0	0	0	0	0
Barbados	0	0	0	0	0	0
Belize	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0
Costa Rica	3	8	11	32	14	40
Dominican Rep	4	7	1	300	5	307
El Salvador	8	130	0	0	8	130
Guatemala	1	6	4	8	5	13
Haiti	0	0	0	0	0	0
Honduras	13	12	2	108	15	120
Jamaica	0	0	61	46	61	46
Panama	0	0	2	35	2	35
Trinidad	0	0	3	3	3	3
Oth N & C Am.	6	7	0	0	6	7
TOTAL	1897	25601	1180	17481	3077	43082
SOUTH AMERICA						
Argentina	1740	618	18	250	1758	869
Bolivia	1	3	0	0	1	3
Chile	12	169	20	258	32	427
Colombia	332	374	8	61	340	435
Ecuador	2	4	26	71	28	74
Paraguay	7	4	0	0	7	4
Peru	2	45	1	9	3	54
Uruguay	2	9	1	6	3	14
Oth South Am.	0	0	0	0	0	0
TOTAL	2248	2433	151	2655	2399	5088
OCEANIA						
New Zealand	8	42	7	25	15	67
Oth Oceania	0	0	1	10	1	10
TOTAL	105	770	74	1171	179	1942

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
June 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	146	434	71	947	217	1382
Iran	0	0	6	5	6	5
Iraq	0	0	0	0	0	0
Israel	13	61	8	142	21	202
Jordan	0	0	1	38	1	38
Kuwait	415	98	0	0	415	98
Laos	0	0	0	0	0	0
Lebanon	0	0	1	14	1	14
Macao	0	0	0	0	0	0
Oman	2	6	0	0	2	6
Pakistan	13	62	0	0	13	62
Philippines	57	244	4	332	61	577
Qatar	0	0	0	0	0	0
Saudi Arabia	12	341	33	273	45	614
Sri Lanka	0	0	0	0	0	0
Syria	0	0	0	0	0	0
United Arab Emr	22	51	3	59	25	110
Vietnam	0	0	0	0	0	0
Oth Asia	0	0	0	0	0	0
TOTAL	1239	32088	470	14451	1709	46539
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	1	26	0	0	1	26
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	1	3	1	3	2	6
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	2	57	2	57
Niger	0	0	0	0	0	0
Nigeria	1	23	1	8	2	31
South Africa	13	48	23	130	36	177
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	1	128	1	128
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	16	99	28	325	44	424

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. EXPORTS
Metal Cutting Machine Tools - January 92 - June 92

RELEASED: September 2, 1992

		TOTAL YTD	
		UNITS	$000
8456300000	Electro-discharge machines	89	6911
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	30	3520
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	12	2822
100035	Horizontal machining centers, ATC	14	3738
100045	Machining centers, n.e.c.	91	10637
200010	Unit construction mach. (single station transfer), NC	5	1556
200090	Unit construction mach. (single station transfer), non-NC	8	5850
300010	Multi-station transfer machines, NC	19	27840
300090	Multi-station transfer machines, non-NC	34	12834
8458110010	Horizontal lathes, multiple spindle, NC	35	3344
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	46	6189
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	20	4425
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	17	4286
190030	Horizontal engine or toolroom lathes, non-NC	22	530
190050	Automatic bar and/or chucking mach., single spindle, non-NC	5	198
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	57	3048
190090	Horizontal lathes, n.e.c., non-NC	120	2088
911060	Vertical turret lathes, multiple spindle, NC	1	84
911080	Vertical turret lathes, n.e.c., NC	4	855
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	10	2261
991050	Vertical turret lathes, non-NC	9	525
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	36	4086
8459100000	Way-type unit head machines	11	921
210080	Other drilling machines, NC	43	4217
290040	Drilling machines, multiple spindle, non-NC	6	185
290050	Drilling machines, radial, non-NC	11	130
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	7	345
290090	Drilling machines, n.e.c., non-NC	427	2537
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	0	0
310070	Boring-milling machines, n.e.c., NC	13	834
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	17	412
400040	Boring machines, vertical, NC	0	0
400050	Boring machines, vertical, non-NC	15	1087
400070	Boring machines, n.e.c., NC	2	271
400080	Boring machines, n.e.c., non-NC	9	704
510080	Milling machines, knee type, NC	5	1626
590030	Milling machines, knee type, non-NC	105	3946
610080	Milling machines, excluding knee type, n.e.c., NC	35	12099
690050	Milling machines, profile, dup., or die sinking, non-NC	9	668
690070	Milling machines, bed type, non-NC	2	53
690090	Milling machines, n.e.c., non-NC	73	4529
700020	Threading or tapping machines, n.e.c., NC	8	657
700080	Threading or tapping machines, n.e.c., non-NC	129	1648
8460110080	Flat surface grinding machines, NC	41	1552
190010	Flat surface grinding mach., recip.-table type, non-NC	10	115
190050	Flat surface grinding machines, n.e.c., non-NC	38	5348
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	38	11120
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	10	2857
290030	Grinding machines, internal cylindrical, non-NC	46	3507
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	130	7544
310080	Sharpening machines (tool & cutter grinding), NC	35	1589
390050	Sharpening machines (tool & cutter grinding), non-NC	235	1953
400060	Honing or lapping machines, NC	1	44
400080	Honing or lapping machines, non-NC	252	3258
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	10	2187
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	744	8890
8461100060	Planing machines, NC	3	1752
100080	Planing machines, non-NC	71	1931
200010	Shaping or slotting machines, NC	13	451
200090	Shaping or slotting machines, non-NC	17	298
300060	Broaching machines, NC	50	4311
300080	Broaching machines, non-NC	12	1272
401050	Gear hobbers	9	1081
401070	Gear shapers	11	1079
401090	Gear cutting machines, n.e.c.	54	13940
405060	Gear grinding or finishing machines	22	3428
500050	Sawing or cutting-off machines, NC	34	1722
500090	Sawing or cutting-off machines, non-NC	582	7616
9000000001	Metal cutting machine tools, n.e.c.	597	10301
9800000001	Used or rebuilt machine tools	4320	45700
9900000001	Machine tools valued at less than $3,025	24318	11758
	Y-T-D Cutting Total	33314	301099
	NC Y-T-D Cutting Total*	768	124682

Please see notes on last page
of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 92 - June 92

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	2	75	2	148	8	1062
8457100015	0	0	0	0	0	0	1	213	3	546
100025	0	0	0	0	0	0	0	0	7	1267
100035	0	0	0	0	2	250	0	0	2	490
100045	5	597	0	0	0	0	0	0	18	2926
200010	0	0	0	0	1	162	0	0	0	0
200090	0	0	0	0	0	0	0	0	5	5448
300010	0	0	0	0	0	0	0	0	1	589
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	1	47	15	1412
110030	0	0	0	0	0	0	0	0	4	448
110050	0	0	0	0	0	0	0	0	15	2417
110090	0	0	2	743	0	0	2	237	9	2062
190030	0	0	0	0	0	0	0	0	3	98
190050	0	0	0	0	0	0	0	0	4	56
190070	0	0	0	0	0	0	0	0	20	1222
190090	12	155	0	0	0	0	0	0	24	768
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	1	171
991050	0	0	0	0	0	0	0	0	4	112
995090	0	0	0	0	0	0	0	0	4	121
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	10	1603
290040	0	0	0	0	0	0	0	0	2	94
290050	0	0	0	0	0	0	0	0	6	51
290070	0	0	0	0	0	0	0	0	3	43
290090	0	0	0	0	0	0	13	86	160	967
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	2	97	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	167
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	4	734
400070	0	0	0	0	0	0	1	104	1	168
400080	0	0	0	0	0	0	0	0	2	58
510080	0	0	0	0	0	0	1	1350	3	230
590030	15	566	0	0	1	19	1	58	10	313
610080	0	0	0	0	0	0	0	0	3	509
690050	0	0	0	0	0	0	0	0	2	419
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	9	176
700020	0	0	0	0	0	0	0	0	0	0
700080	1	59	0	0	9	512	1	15	27	318
8460110080	1	26	0	0	0	0	0	0	2	57
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	497	0	0	0	0	7	1697
290010	0	0	0	0	0	0	1	660	6	1582
290030	0	0	0	0	0	0	24	915	0	0
290050	2	78	0	0	0	0	0	0	19	802
310080	2	64	0	0	0	0	2	68	0	0
390050	6	146	0	0	0	0	15	96	84	644
400060	0	0	0	0	0	0	0	0	1	44
400080	5	34	0	0	1	5	2	13	43	691
900060	0	0	0	0	0	0	1	50	8	2108
900080	6	51	0	0	0	0	12	127	121	1240
8461100060	0	0	0	0	0	0	0	0	0	0
100080	3	79	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	10	132	1	128
200090	0	0	0	0	0	0	0	0	4	65
300060	0	0	0	0	0	0	0	0	4	735
300080	0	0	0	0	0	0	0	0	1	98
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	1	39
401090	1	53	0	0	0	0	1	64	0	0
405060	0	0	0	0	0	0	0	0	1	62
500050	0	0	0	0	0	0	0	0	24	1139
500090	5	28	1	16	0	0	2	10	127	1350
9000000001	4	36	1	16	0	0	15	246	126	1833
9800000001	38	242	3	26	9	27	15	133	1438	12384
9900000001	338	291	15	9	167	138	193	49	1218	1386
Y-T-D Tot	444	2505	25	1404	192	1189	316	4820	3626	55149
NC YTD Tot*	8	687	5	1337	5	487	21	2348	162	22215

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 92 - June 92

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	3	295	15	979	0	0	0	0
8457100015	17	1126	0	0	0	0	0	0	0	0
100025	0	0	0	0	1	93	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	4	1044	0	0	3	271	0	0	0	0
200010	0	0	1	195	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	2	623	0	0	0	0	2	5355
8458110010	0	0	0	0	0	0	0	0	0	0
110030	4	480	5	589	1	139	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	1	90	0	0	0	0	0	0
190090	0	0	0	0	1	11	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	1	118	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	2	1290	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	4	2646	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	1	90	0	0	1	135
210080	3	194	0	0	2	118	1	40	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	9	42	7	36	3	13	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	3	135
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	1	35	1	160	0	0	0	0
610080	3	3206	1	96	1	267	3	92	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	38	3	906	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	29	312	0	0	0	0
8460110080	0	0	0	0	3	84	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	1	124	0	0
210080	1	527	1	248	2	549	2	446	0	0
290010	1	515	0	0	0	0	0	0	0	0
290030	2	499	0	0	8	214	11	1858	0	0
290050	10	1537	1	600	4	50	10	870	0	0
310080	0	0	2	54	0	0	0	0	0	0
390050	0	0	2	15	7	45	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	19	448	8	48	42	547	4	54	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	31	384	16	188	66	1176	6	36	4	41
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	6	41	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	3	1061	0	0	1	11	0	0	0	0
401050	0	0	0	0	1	28	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	9	1183	0	0	0	0	1	44	0	0
405060	0	0	0	0	1	10	0	0	4	48
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	6	65	65	783	4	71	4	35
9000000001	9	149	1	6	14	176	4	45	20	565
9800000001	76	1407	29	396	68	2564	149	732	8	57
9900000001	227	229	341	95	1552	815	48	38	22	26
Y-T-D Tot	434	17966	430	3831	1901	10453	244	4450	68	6397
NC YTD Tot*	34	7866	14	1595	29	2512	6	578	3	135

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 92 - June 92

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	16	839	2	502	0	0	3	208
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	1	211	0	0	0	0
100035	1	191	0	0	7	1837	0	0	0	0
100045	0	0	0	0	37	3040	0	0	10	630
200010	1	958	0	0	0	0	0	0	1	103
200090	2	304	0	0	0	0	0	0	1	97
300010	1	985	0	0	7	19592	0	0	10	6674
300090	0	0	6	713	0	0	0	0	8	4551
8458110010	0	0	0	0	0	0	0	0	11	1118
110030	1	45	1	144	2	136	0	0	4	325
110050	0	0	0	0	4	1739	0	0	0	0
110090	0	0	0	0	0	0	0	0	3	540
190030	0	0	2	113	0	0	0	0	6	62
190050	0	0	0	0	0	0	0	0	1	142
190070	0	0	23	814	0	0	0	0	6	415
190090	1	230	1	5	2	58	0	0	46	431
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	3	737
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	3	493	0	0	0	0	2	111
991050	0	0	0	0	0	0	0	0	5	413
995090	0	0	3	39	0	0	0	0	16	930
8459100000	0	0	0	0	0	0	0	0	6	317
210080	0	0	0	0	2	154	0	0	11	579
290040	0	0	0	0	0	0	0	0	4	91
290050	0	0	0	0	0	0	0	0	3	35
290070	0	0	0	0	0	0	0	0	0	0
290090	3	14	83	371	31	192	0	0	31	403
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	4	302
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	15	238
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	4	63
400070	0	0	0	0	0	0	0	0	0	0
400080	1	119	0	0	0	0	0	0	6	527
510080	0	0	0	0	0	0	0	0	0	0
590030	1	20	4	433	2	69	0	0	3	83
610080	1	183	0	0	1	65	0	0	7	3353
690050	0	0	0	0	0	0	0	0	4	29
690070	0	0	0	0	0	0	0	0	1	25
690090	0	0	12	241	1	15	0	0	26	283
700020	0	0	1	327	0	0	0	0	5	274
700080	0	0	0	0	0	0	0	0	18	106
8460110080	2	151	4	198	0	0	0	0	11	468
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	3	941	11	1681	3	311	4	504
210080	0	0	4	1166	3	997	0	0	13	4499
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	1	20
290050	2	643	0	0	1	41	0	0	35	1149
310080	0	0	5	689	2	47	0	0	2	53
390050	0	0	54	354	23	264	2	13	18	160
400060	0	0	0	0	0	0	0	0	0	0
400080	7	68	2	15	11	65	1	7	7	142
900060	0	0	0	0	0	0	0	0	0	0
900080	13	219	39	419	45	597	0	0	84	1174
8461100060	0	0	0	0	1	1722	0	0	2	30
100080	0	0	22	1235	1	12	0	0	3	49
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	1	75	0	0	10	147
300060	0	0	0	0	0	0	0	0	46	3576
300080	0	0	0	0	1	11	0	0	3	75
401050	0	0	0	0	3	351	0	0	4	140
401070	2	600	0	0	8	440	0	0	0	0
401090	4	3371	7	4308	2	891	0	0	15	1220
405060	0	0	2	820	12	2413	0	0	2	74
500050	0	0	0	0	0	0	0	0	6	288
500090	4	45	65	1148	34	558	5	29	77	998
9000000001	1	7	127	2320	31	762	0	0	28	608
9800000001	413	1614	22	1258	166	7171	3	3	1275	8327
9900000001	355	272	962	286	418	354	176	125	5146	1832
Y-T-D Tot	816	10040	1473	19687	873	46060	190	488	7076	49730
NC YTD Tot*	7	2513	53	4318	69	30041	0	0	154	23867

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 92 - June 92

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	14	795	0	0	0	0	6	336	8	483
8457100015	2	306	4	564	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	2	877
100035	0	0	0	0	0	0	1	463	0	0
100045	0	0	0	0	0	0	1	1426	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	1	108	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	11	2564
110050	0	0	0	0	0	0	0	0	1	269
110090	0	0	0	0	0	0	0	0	1	-704
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	1	112	0	0	0	0	4	208
190090	0	0	0	0	0	0	1	3	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	1	150
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	2	220
210080	0	0	0	0	0	0	0	0	8	509
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	2	30
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	5	159	0	0	2	33	0	0	2	53
610080	0	0	4	319	0	0	0	0	5	3405
690050	0	0	0	0	0	0	3	220	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	1	16	0	0	2	78	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	6	66	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	1	3	0	0	0	0	1	12
190050	0	0	9	1356	0	0	0	0	0	0
210080	2	248	0	0	0	0	1	100	0	0
290010	1	75	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	8	300	0	0	0	0	0	0	12	403
310080	0	0	0	0	0	0	0	0	2	66
390050	2	16	4	29	0	0	3	12	6	37
400060	0	0	0	0	0	0	0	0	0	0
400080	8	61	16	241	2	14	9	85	4	46
900060	0	0	0	0	0	0	0	0	0	0
900080	6	42	10	82	1	10	10	102	7	120
8461100060	0	0	0	0	0	0	0	0	0	0
100080	7	63	0	0	0	0	2	27	0	0
200010	1	18	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	1	1135	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	61	804	13	231	3	28	1	3	16	100
9000000001	19	209	15	96	4	39	16	164	20	184
9800000001	18	20	22	1532	8	260	7	71	20	279
9900000001	176	133	1263	657	162	66	214	135	1176	693
Y-T-D Tot	331	3264	1362	5220	192	1837	275	3149	1311	11413
NC YTD Tot*	23	1452	8	882	0	0	9	2325	39	9027

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 92 - June 92

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	7	400	1	569	0	0	0	0	2	221
8457100015	0	0	1	143	0	0	1	100	1	523
100025	0	0	1	374	0	0	0	0	0	0
100035	0	0	1	506	0	0	0	0	0	0
100045	2	126	0	0	0	0	3	102	8	476
200010	0	0	1	138	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	3	380	0	0	0	0	12	1105
8458110010	0	0	0	0	0	0	1	125	7	642
110030	1	60	8	860	0	0	1	116	3	285
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	1	3	0	0	3	64	7	190
190050	0	0	0	0	0	0	0	0	0	0
190070	2	188	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	32	426
911060	0	0	0	0	0	0	0	0	1	84
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	1	48	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	4	91	0	0	0	0	5	259
8459100000	0	0	0	0	0	0	0	0	1	159
210080	1	22	2	891	0	0	1	26	2	81
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	1	28	1	17
290070	0	0	0	0	0	0	0	0	4	302
290090	0	0	2	10	0	0	2	27	83	375
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	1	192	0	0	1	50	2	59
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	8
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	4	233	1	26
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	1	46
590030	0	0	3	88	0	0	0	0	54	1858
610080	0	0	2	223	0	0	0	0	4	382
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	1	27	0	0	0	0	0	0
690090	0	0	0	0	0	0	2	73	16	2704
700020	0	0	1	31	0	0	0	0	1	25
700080	0	0	2	11	0	0	16	125	20	125
8460110080	1	21	7	243	0	0	0	0	10	304
190010	1	19	0	0	0	0	0	0	7	80
190050	0	0	0	0	0	0	0	0	7	432
210080	0	0	1	146	0	0	0	0	0	0
290010	0	0	1	25	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	10	382	0	0	0	0	16	688
310080	0	0	2	40	0	0	10	322	6	186
390050	0	0	2	11	0	0	0	0	7	111
400060	0	0	0	0	0	0	0	0	0	0
400080	33	372	1	16	0	0	0	0	27	284
900060	0	0	0	0	0	0	0	0	1	30
900080	11	75	33	518	0	0	108	1129	115	1160
8461100060	0	0	0	0	0	0	0	0	0	0
100080	6	106	5	71	0	0	1	7	15	241
200010	1	173	0	0	0	0	0	0	0	0
200090	0	0	2	11	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	3	16	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	1	562
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	1	172	0	0	1	41	11	1457
405060	0	0	0	0	0	0	0	0	0	0
500050	1	173	1	75	0	0	0	0	2	47
500090	2	20	23	251	0	0	1	9	63	1035
9000000001	8	109	71	1102	0	0	10	120	53	1509
9800000001	47	157	157	2873	0	0	9	201	320	3966
9900000001	1585	149	915	285	0	0	1786	495	5863	3199
Y-T-D Tot	1709	2168	1270	10774	0	0	1963	3437	6793	25668
NC YTD Tot*	14	975	34	4623	0	0	19	887	52	4010

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92 - June 92

RELEASED: September 2, 1992

Metal Forming Machine Tools		TOTAL YTD	
		UNITS	$000
8454300010	Die casting machines	232	4037
8462100030	Headers and upsetters, including cold headers	12	7968
100050	Forging or die stamping machines, and hammers, n.e.c.	122	12481
210080	Bending, folding, straight. or flat. mach., incl presses, NC	252	18001
290030	Press brakes, non-NC	93	2721
290040	Bending rolls, non-NC	43	1650
290050	Bending, folding, straight., or flat., n.e.c., non-NC	514	17367
310080	Shearing machines, NC	49	3525
390050	Shearing machines, non-NC	217	4192
410080	Punching or notching mach., incl. comb. punch & shear, NC	141	14758
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	314	9564
910060	Hydraulic presses, NC	49	2626
910090	Hydraulic presses, non-NC	242	7151
990030	Presses, n.e.c., NC	78	7669
990040	Presses, mechanical, non-NC	34	3438
990060	Presses, n.e.c., non-NC	536	33647
8463100080	Draw benches for bars, tubes, profiles, wire or the like	75	2323
200080	Thread rolling machines	14	331
300080	Machines for working wire	346	9310
900080	Metal forming machine tools, n.e.c.	822	44858
9800000002	Used or rebuilt machine tools	1452	32172
9900000002	Machine tools valued at less than $3,025	7208	5932

	UNITS	$000
Y-T-D Forming Total	12845	245722
NC Y-T-D Forming Total	569	46579
Cutting and Forming Totals:		
Y-T-D Total	46159	546821
NC Y-T-D Total*	1337	171261

Other Manufacturing Technology		TOTAL YTD	
		UNITS	$000
1000000000	Machine tool parts and accessories	0	394889
2000000000	Parts for working rubber or plastics - heading 8477	0	122889
2710003070	Quenching or cutting oils	0	3589
8428900010	Industrial robots for lifting, handling, loading or unload	704	6545
8431390090	Parts industrial robots, handling and loading - heading 8428	0	58069
8456100000	Laser, light or photon beam for working any material	171	10356
200000	Ultrasonic process for working any material	9	284
8477106010	Injection molding mach., for rubber or oth. thermosetting	149	13757
106070	Injection molding machines, for thermoplastics	297	40845
200005	Extruders; rubber or other thermosetting mat., single screw	26	2138
200015	Extruders; rubber or thermosetting, other incl. multi. screw	73	10031
200030	Extruders; thermoplastics, single screw	117	8970
200060	Extruders; thermoplastics, other incl. multi. screw	40	4045
300000	Blow molding machines	384	26153
400000	Vacuum-molding and other thermoforming machines	920	7375
510010	Machines for molding or retreading pneumatic tires	2612	17654
510090	Machines for molding or otherwise forming inner tubes	466	2980
590000	Machines for molding or otherwise forming n.e.c.	961	13740
800000	Machines for working rubber or plastics n.e.c.	2200	49517
8479899040	Industrial robots, n.e.c.	2931	33083
908040	Industrial robot parts	0	14850
8537100030	Numerical controls for controlling machine tools	937	12846
9024100000	Machines and appliances for testing metals	0	29154
9031100000	Machines for balancing mechanical parts	0	13422
300000	Profile projectors	0	1527
9032810040	Industrial process control instr., hydraulic or pneumatic	214395	19869

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 92 - June 92

Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	15	165	38	412	0	0	1	40	4	391
8462100030	0	0	0	0	1	980	3	1913	1	83
100050	0	0	0	0	15	934	3	202	16	4842
210080	1	54	0	0	3	120	5	194	28	1472
290030	1	45	0	0	0	0	0	0	9	242
290040	0	0	0	0	0	0	0	0	14	232
290050	3	24	0	0	142	3987	2	43	121	2415
310080	1	59	0	0	0	0	0	0	10	756
390050	2	6	0	0	0	0	0	0	73	1545
410080	0	0	0	0	0	0	4	100	12	1800
490050	8	263	0	0	3	318	1	1110	92	1258
910060	0	0	0	0	1	34	18	242	5	178
910090	1	9	1	6	4	82	0	0	12	743
990030	0	0	0	0	0	0	0	0	10	925
990040	2	133	0	0	0	0	1	161	3	67
990060	1	31	10	266	1	15	1	19	35	1098
8463100080	1	23	0	0	2	37	0	0	4	160
200080	0	0	0	0	0	0	0	0	2	9
300080	2	71	0	0	0	0	9	80	17	268
900080	29	676	4	100	11	1685	14	1053	74	1333
9800000002	6	359	20	191	4	14	2	77	218	9907
9900000002	153	138	0	0	262	195	208	176	1163	1018
Y-T-D Tot	226	2055	73	975	449	8401	272	5411	1923	30744
NC YTD Tot	2	113	0	0	4	154	27	536	65	5132
C&F YTD	670	4561	98	2380	641	9590	588	10231	5549	85893
C&F NC YTD*	10	800	5	1337	9	641	48	2884	227	27347

Other Manufacturing Technology

1000000000	0	7215	0	1119	0	4117	0	5200	0	64276
2000000000	0	1817	0	461	0	1531	0	1777	0	32649
2710003070	0	71	0	0	0	223	0	31	0	701
8428900010	8	75	47	471	1	15	0	0	74	731
8431390090	0	2639	0	7	0	359	0	270	0	6979
8456100000	4	118	4	168	0	0	0	0	13	1380
200000	0	0	0	0	0	0	0	0	3	138
8477106010	1	170	0	0	0	0	2	150	16	856
106070	0	0	0	0	2	122	21	3687	77	13835
200005	0	0	0	0	0	0	0	0	6	381
200015	0	0	0	0	0	0	0	0	43	3663
200030	30	1286	2	61	1	31	2	46	3	139
200060	0	0	0	0	1	66	0	0	9	571
300000	16	869	0	0	8	69	21	4920	11	3130
400000	15	102	0	0	0	0	0	0	66	660
510010	39	279	0	0	24	148	34	751	343	8440
510090	4	19	0	0	0	0	2	50	0	0
590000	3	147	0	0	29	714	3	34	25	863
800000	12	900	0	0	2	17	32	4421	420	11258
8479899040	5	941	5	42	6	862	4	27	1760	11735
908040	0	110	0	0	0	37	0	13	0	4600
8537100030	4	42	5	72	24	338	61	785	65	886
9024100000	0	180	0	49	0	300	0	315	0	3794
9031100000	0	135	0	0	0	5	0	143	0	6610
300000	0	3	0	0	0	0	0	7	0	133
9032810040	10436	723	1766	387	4396	456	441	71	11171	1088

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8465300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Tctals and other Manufacturing Technology
January 92 - June 92

Metal Forming

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	26	279	13	434	4	60	11	117	0	0
8462100030	0	0	1	581	1	379	0	0	0	0
100050	1	40	8	437	2	99	0	0	1	57
210080	13	1056	3	402	3	160	1	44	0	0
290030	39	999	0	0	0	0	0	0	0	0
290040	0	0	0	0	1	84	0	0	0	0
290050	2	42	12	351	28	979	1	86	4	43
310080	0	0	0	0	0	0	1	45	0	0
390050	0	0	1	10	4	57	0	0	0	0
410080	2	391	1	250	4	535	0	0	0	0
490050	2	126	4	281	8	306	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	2	199	3	16	13	409	1	55	8	277
990030	1	300	0	0	2	339	0	0	0	0
990040	3	395	0	0	5	221	0	0	0	0
990060	0	0	6	223	46	12473	1	25	12	342
8463100080	0	0	0	0	16	286	0	0	0	0
200080	0	0	8	199	0	0	0	0	0	0
300080	4	48	10	207	34	892	0	0	0	0
900080	15	3702	25	3880	43	1617	5	83	0	0
9800000002	9	88	22	967	22	391	24	204	10	473
9900000002	8	16	135	119	474	363	75	42	10	8
Y-T-D Tot	127	7682	252	8356	710	19650	120	703	45	1199
NC YTD Tot	16	1747	4	652	9	1034	2	90	0	0
C&F YTD	561	25648	682	12186	2611	30103	364	5154	113	7596
C&F NC YTD*	50	9613	18	2247	38	3545	8	668	3	135

Other Manufacturing Technology

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	6389	0	12177	0	33913	0	3306	0	1277
2000000000	0	1545	0	2969	0	11526	0	726	0	806
2710003070	0	11	0	28	0	149	0	42	0	225
8428900010	0	0	47	520	10	191	0	0	0	0
8431390090	0	1052	0	2175	0	489	0	159	0	2529
8456100000	1	200	6	639	13	832	0	0	0	0
200000	0	0	0	0	0	0	1	20	0	0
8477106010	1	38	2	235	2	120	0	0	0	0
106070	0	0	5	328	67	7114	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	1	30	0	0	0	0
200030	2	1619	0	0	4	110	0	0	1	1082
200060	1	405	2	81	0	0	0	0	0	0
300000	0	0	18	1023	20	623	0	0	0	0
400000	1	9	181	366	0	0	4	3	0	0
510010	2	150	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	1	23
590000	41	1608	27	492	38	900	13	197	5	105
800000	11	2882	8	99	91	251	9	165	2	18
8479899040	5	72	250	2553	162	3231	0	0	0	0
908040	0	104	0	1063	0	1813	0	0	0	3
8537100030	57	668	77	976	65	922	2	24	0	0
9024100000	0	357	0	669	0	1282	0	703	0	33
9031100000	0	150	0	46	0	146	0	43	0	0
300000	0	143	0	17	0	68	0	20	0	0
9032810040	330	23	10843	917	30911	1683	583	59	80	4

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8465300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 92 - June 92

Metal Forming

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	21	251	4	44	9	101	1	115	11	204
8462100030	0	0	2	2729	0	0	0	0	1	366
100050	5	447	5	288	24	2135	0	0	14	1022
210080	64	4376	6	463	22	3520	0	0	34	2364
290030	0	0	0	0	8	310	0	0	21	647
290040	0	0	0	0	0	0	0	0	11	561
290050	8	187	12	1240	23	1540	1	84	68	2973
310080	0	0	1	60	0	0	0	0	18	1674
390050	18	294	3	31	3	81	0	0	62	1311
410080	3	203	1	25	11	1838	3	329	19	2028
490050	4	315	18	1160	10	200	1	14	49	798
910060	0	0	0	0	12	337	0	0	5	1375
910090	1	64	18	857	3	57	1	18	97	2465
990030	5	864	8	1752	15	923	7	455	3	23
990040	0	0	8	935	3	171	0	0	4	171
990060	3	1385	17	1497	7	792	2	209	321	11889
8463100080	0	0	2	50	0	0	0	0	26	612
200080	0	0	0	0	0	0	0	0	1	9
300080	8	1676	26	1208	1	30	5	87	48	1449
900080	4	54	82	2443	67	6894	0	0	65	859
9800000002	7	172	13	306	71	1401	2	8	607	10266
9900000002	232	140	554	306	134	120	25	25	1657	1587
Y-T-D Tot	383	10429	780	15395	423	20450	48	1343	3142	44655
NC YTD Tot	72	5444	16	2300	60	6619	10	784	79	7463
C&F YTD	1199	20469	2253	35082	1296	66510	238	1831	10218	94385
C&F NC YTD*	79	7957	69	6618	129	36660	10	784	233	31331

Other Manufacturing Technology

1000000000	0	10880	0	52342	0	18214	0	2683	0	51349
2000000000	0	1803	0	6607	0	3472	0	1115	0	10666
2710003070	0	25	0	186	0	101	0	13	0	84
8428900010	80	784	87	140	8	80	2	15	1	9
8431390090	0	155	0	1700	0	1437	0	6	0	5238
8456100000	5	321	10	620	9	384	0	0	18	963
200000	2	51	0	0	0	0	0	0	1	29
8477106010	3	193	2	168	0	0	0	0	68	6874
106070	0	0	14	1507	4	370	5	215	28	3376
200005	0	0	0	0	0	0	0	0	9	1453
200015	6	318	0	0	0	0	0	0	14	1614
200030	1	136	0	0	1	326	4	95	31	1203
200060	0	0	0	0	1	1585	0	0	16	1105
300000	43	1483	10	181	4	2050	3	480	63	5474
400000	0	0	133	625	14	114	0	0	108	1442
510010	0	13	29	314	13	297	19	10	22	351
510090	13	315	17	376	0	0	1	3	32	276
590000	20	449	207	1236	12	265	34	62	170	1352
800000	33	948	255	2543	58	2578	51	719	540	11775
8479899040	132	1030	70	2694	7	98	1	8	170	2169
908040	0	352	0	3017	0	205	0	0	0	681
8537100030	41	702	30	449	80	1125	2	21	16	184
9024100000	0	480	0	5906	0	2301	0	269	0	690
9031100000	0	50	0	304	0	1555	0	3	0	1598
300000	0	89	0	166	0	110	0	5	0	110
9032810040	11386	1552	15335	1187	14679	891	92	19	6054	663

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8465300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 92 - June 92

Metal Forming

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	4	21	2	25	1	13	0	0	9	900
8462100030	0	0	0	0	0	0	0	0	0	0
100050	2	157	1	103	0	0	0	0	0	0
210080	1	28	0	0	0	0	0	0	15	692
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	4	636
290050	3	42	7	1203	1	16	4	68	5	118
310080	3	117	2	106	0	0	0	0	0	0
390050	0	0	9	111	0	0	0	0	0	0
410080	8	1550	42	1415	0	0	2	346	11	1471
490050	7	97	9	109	10	96	0	0	12	206
910060	0	0	0	0	6	301	0	0	0	0
910090	9	115	1	21	0	0	2	17	15	497
990030	0	0	0	0	1	33	10	657	1	41
990040	0	0	0	0	0	0	0	0	2	120
990060	1	67	13	333	0	0	3	90	9	505
8463100080	0	0	2	107	0	0	4	100	0	0
200080	0	0	0	0	0	0	0	0	1	8
300080	1	12	10	579	17	261	4	79	11	195
900080	13	174	19	740	4	359	1	30	37	2011
9800000002	1	20	20	743	1	6	6	8	5	1226
9900000002	81	75	137	129	10	4	224	199	28	21
Y-T-D Tot	134	2475	274	5724	51	1089	260	1595	165	8648
NC YTD Tot	12	1695	44	1521	7	334	12	1003	27	2205
C&F YTD	465	5738	1636	10945	243	2926	535	4744	1476	20061
C&F NC YTD*	35	3147	52	2403	7	334	21	3328	66	11232

Other Manufacturing Technology

1000000000	0	7376	0	4993	0	2999	0	3954	0	10586
2000000000	0	2505	0	2134	0	710	0	706	0	972
2710003070	0	60	0	187	0	4	0	4	0	186
8428900010	10	105	3	25	32	320	0	0	5	154
8431390090	0	608	0	314	0	100	0	34	0	454
8456100000	16	777	2	300	1	41	9	590	30	1329
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	2	129	1	77	0	0
106070	3	234	0	0	0	0	1	50	2	140
200005	0	0	0	0	0	0	0	0	3	103
200015	0	0	0	0	0	0	0	0	1	51
200030	0	0	0	0	1	33	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	3	6	6	103	0	0	0	0	0	0
400000	0	0	25	211	0	0	0	0	0	0
510010	1019	1458	1	7	2	13	0	0	0	0
510090	0	0	0	0	0	0	30	27	0	0
590000	9	160	2	25	48	952	0	0	33	1050
800000	12	164	198	1115	2	25	0	0	9	49
8479899040	31	242	17	1701	2	358	53	533	9	192
908040	0	70	0	87	0	51	0	391	0	11
8537100030	28	337	11	138	5	50	0	0	35	461
9024100000	0	147	0	1764	0	302	0	255	0	1495
9031100000	0	24	0	192	0	61	0	0	0	694
300000	0	19	0	122	0	8	0	74	0	232
9032810040	15983	2506	6648	579	6947	711	656	122	4537	287

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8465300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 92 - June 92

Metal Forming	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	2	8	17	146	0	0	3	15	36	295
8462100030	0	0	2	938	0	0	0	0	0	0
100050	4	184	4	498	0	0	9	612	8	424
210080	0	0	23	1554	0	0	0	0	30	1501
290030	0	0	0	0	0	0	1	7	14	471
290040	0	0	12	94	0	0	0	0	1	43
290050	2	51	19	687	0	0	0	0	46	1188
310080	0	0	3	106	0	0	0	0	10	602
390050	0	0	27	494	0	0	2	55	13	197
410080	2	876	7	722	0	0	0	0	9	879
490050	11	870	27	1215	0	0	0	0	38	821
910060	0	0	0	0	0	0	0	0	2	160
910090	2	71	21	602	0	0	7	130	20	440
990030	1	255	0	0	0	0	0	0	14	1099
990040	0	0	2	1033	0	0	0	0	1	30
990060	0	0	14	887	0	0	8	591	25	907
8463100080	0	0	1	6	0	0	1	34	16	910
200080	0	0	0	0	0	0	0	0	2	107
300080	5	115	4	92	10	188	6	372	114	1401
900080	11	2459	82	3532	2	46	6	206	209	10922
9800000002	8	65	30	1031	1	10	30	1031	313	3207
9900000002	53	20	574	447	0	0	83	51	928	732
Y-T-D Tot	101	4975	869	14085	13	244	156	3105	1849	26336
NC YTD Tot	3	1131	33	2382	0	0	0	0	65	4242
C&F YTD	1810	7143	2139	24859	13	244	2119	6542	8642	52004
C&F NC YTD*	17	2106	67	7005	0	0	19	887	117	8252
Other Manufacturing Technology										
1000000000	0	2130	0	25593	0	245	0	4034	0	58524
2000000000	0	3367	0	7659	0	0	0	4059	0	21307
2710003070	0	17	0	80	0	0	0	132	0	1031
8428900010	0	0	160	1635	0	0	0	0	129	1274
8431390090	0	1891	0	4540	0	192	0	921	0	23822
8456100000	0	0	15	1390	0	0	0	0	15	304
200000	0	0	0	0	0	0	0	0	2	47
8477106010	0	0	6	415	0	0	10	1769	33	2563
106070	0	0	24	1783	0	0	4	365	40	7718
200005	0	0	0	0	0	0	0	0	8	201
200015	0	0	0	0	0	0	2	4031	6	325
200030	1	14	15	366	0	0	7	701	11	1724
200060	0	0	0	0	0	0	7	147	3	85
300000	0	0	83	3387	0	0	21	390	54	1964
400000	3	33	20	189	0	0	17	351	333	3269
510010	0	0	20	5	0	0	11	208	1034	5211
510090	256	739	1	5	0	0	2	178	107	969
590000	41	570	51	1291	0	0	5	82	145	1186
800000	4	56	138	2798	0	0	12	119	301	6617
8479899040	81	535	77	2393	0	0	8	43	76	1625
908040	0	0	0	1369	0	0	0	15	0	860
8537100030	4	50	215	3110	0	0	6	99	104	1408
9024100000	0	138	0	4269	0	12	0	118	0	3326
9031100000	0	9	0	62	0	0	0	150	0	1444
300000	0	28	0	75	0	0	0	0	0	96
9032810040	0	0	17217	2191	705	49	3572	340	39627	3360

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8465300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 92 - June 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	5	152	4	94	9	246
Denmark	36	688	47	337	83	1025
Finland	164	261	47	329	211	590
Greece	9	107	37	194	46	301
Hungary	8	12	2	23	10	35
Iceland	0	0	2	11	2	11
Ireland	29	1032	24	78	53	1110
Luxembourg	1	4	0	0	1	4
Norway	19	141	76	45	95	186
Poland	4	2421	8	44	12	2465
Portugal	81	136	3	26	84	162
Romania	0	0	0	0	0	0
Sweden	89	2146	191	504	280	2651
Turkey	9	665	20	1348	29	2014
Yugoslavia	10	124	4	125	14	249
Oth Europe	15	1322	18	336	33	1658
TOTAL	5911	55151	3677	70793	9588	125944
NORTH AND CENTRAL AMERICA						
Bahamas	0	0	0	0	0	0
Barbados	2	17	13	46	15	63
Belize	0	0	1	6	1	6
Bermuda	0	0	0	0	0	0
Costa Rica	61	442	60	694	121	1135
Dominican Rep	49	236	35	497	84	733
El Salvador	15	154	47	467	62	621
Guatemala	27	182	23	549	50	730
Haiti	0	0	0	0	0	0
Honduras	107	70	31	380	138	450
Jamaica	0	0	81	906	81	906
Panama	289	49	10	424	299	472
Trinidad	12	45	6	69	18	114
Oth N & C Am.	28	234	17	40	45	274
TOTAL	11292	106307	5389	79475	16681	185782
SOUTH AMERICA						
Argentina	1849	1506	99	989	1948	2495
Bolivia	1	3	0	0	1	3
Chile	330	1890	78	881	408	2771
Colombia	455	916	98	579	553	1495
Ecuador	42	487	43	105	85	592
Paraguay	7	4	0	0	7	4
Peru	11	100	33	360	44	461
Uruguay	5	32	2	18	7	51
Oth South Am.	0	0	3	33	3	33
TOTAL	4979	13196	784	11480	5763	24677
OCEANIA						
New Zealand	14	359	60	381	74	740
Oth Oceania	13	15	6	14	19	29
TOTAL	471	2880	292	2451	763	5331

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 92 - June 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	1057	3833	149	1223	1206	5055
Iran	2	115	6	5	8	119
Iraq	0	0	0	0	0	0
Israel	112	569	38	212	150	781
Jordan	3	6	8	95	11	101
Kuwait	483	403	6	213	489	616
Laos	0	0	0	0	0	0
Lebanon	0	0	1	14	1	14
Macao	0	0	0	0	0	0
Oman	14	44	3	72	17	116
Pakistan	29	157	6	251	35	408
Philippines	187	508	119	1327	306	1835
Qatar	3	6	0	0	3	6
Saudi Arabia	107	2125	166	9364	273	11489
Sri Lanka	0	0	0	0	0	0
Syria	1	7	10	22	11	29
United Arab Emr	177	360	13	207	190	567
Vietnam	0	0	0	0	0	0
Oth Asia	146	20	3	21	149	41
TOTAL	9985	122002	2611	79144	12596	201146
AFRICA						
Algeria	0	0	2	18	2	18
Botswana	0	0	0	0	0	0
Egypt	33	451	7	771	40	1222
Ethiopia	0	0	0	0	0	0
Gabon	25	217	0	0	25	217
Ghana	2	81	1	3	3	84
Guinea	11	7	0	0	11	7
Kenya	0	0	1	23	1	23
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	22	14	14	357	36	371
Niger	0	0	0	0	0	0
Nigeria	1	23	11	144	12	167
South Africa	406	501	50	600	456	1101
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	1	60	1	128	2	188
Zaire	0	0	0	0	0	0
Zambia	5	3	0	0	5	3
Zimbabwe	166	5	5	337	171	343
Oth Africa	4	200	0	0	4	200
TOTAL	676	1562	92	2379	768	3942

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS – Metal Cutting Machine Tools – June 92

RELEASED: September 2, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301020	Traveling wire electro-discharge machines	363	30903	55	5218
301050	Electro-discharge machines, n.e.c., NC	113	8362	12	1103
301070	Electro-discharge machines, n.e.c., non-NC	92	1386	14	244
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	920	71650	149	10937
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	60	16179	11	1442
100035	Horizontal machining centers, ATC	214	53244	37	12001
100045	Machining centers, n.e.c.	25	35792	3	11149
200010	Unit construction mach. (single station transfer), NC	2	408	0	0
200090	Unit construction mach. (single station transfer), non-NC	7	1197	0	0
300010	Multi-station transfer machines, NC	18	17540	0	0
300090	Multi-station transfer machines, non-NC	44	18192	9	1907
8458110010	Horizontal lathes, multiple spindle, NC	173	24471	39	4334
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	897	62659	115	9167
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	177	27269	30	4475
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	19	6499	0	0
190030	Horizontal engine or toolroom lathes, non-NC	1236	11393	162	1778
190050	Automatic bar and/or chucking mach., single spindle, non-NC	57	1670	3	38
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	22	2905	4	226
190090	Horizontal lathes, n.e.c., non-NC	99	2320	20	1056
911060	Vertical turret lathes, multiple spindle, NC	14	2896	4	660
911080	Vertical turret lathes, n.e.c., NC	31	6221	10	2004
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	8	2139	4	48
915070	Vertical lathes, excluding VTL's, n.e.c., NC	14	2145	0	0
991050	Vertical turret lathes, non-NC	16	531	3	92
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	194	8077	53	908
8459100000	Way-type unit head machines	6	535	0	0
210080	Other drilling machines, NC	66	6021	10	793
290040	Drilling machines, multiple spindle, non-NC	85	2874	3	364
290050	Drilling machines, radial, non-NC	90	782	19	148
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	20	1584	1	41
290090	Drilling machines, n.e.c., non-NC	133	4561	13	296
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	10	2009	4	653
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	25	6051	4	470
310070	Boring-milling machines, n.e.c., NC	4	624	0	0
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	6	363	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	60	1991	16	391
400040	Boring machines, vertical, NC	3	675	0	0
400050	Boring machines, vertical, non-NC	18	247	0	0
400070	Boring machines, n.e.c., NC	0	0	0	0
400080	Boring machines, n.e.c., non-NC	78	3732	24	456
510080	Milling machines, knee type, NC	95	2179	15	130
590030	Milling machines, knee type, non-NC	908	7441	178	1047
610080	Milling machines, excluding knee type, n.e.c., NC	98	15385	27	3708
690050	Milling machines, profile, dup., or die sinking, non-NC	3	14	0	0
690070	Milling machines, bed type, non-NC	24	798	2	20
690090	Milling machines, n.e.c., non-NC	78	1476	36	321
700020	Threading or tapping machines, n.e.c., NC	156	8676	13	685
700080	Threading or tapping machines, n.e.c., non-NC	61	1315	15	88
8460110080	Flat surface grinding machines, NC	39	2364	8	400
190010	Flat surface grinding mach., recip.-table type, non-NC	448	6386	51	1104
190050	Flat surface grinding machines, n.e.c., non-NC	470	8444	74	1526
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	148	34456	32	6866
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	70	4874	8	292
290030	Grinding machines, internal cylindrical, non-NC	40	4830	1	195
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	323	18259	44	1186
310080	Sharpening machines (tool & cutter grinding), NC	85	2787	13	109
390050	Sharpening machines (tool & cutter grinding), non-NC	366	3033	50	444
400060	Honing or lapping machines, NC	8	661	0	0
400080	Honing or lapping machines, non-NC	70	5366	7	52
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	7	336	1	6
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	488	11262	68	1026
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	1	8	0	0
200010	Shaping or slotting machines, NC	3	115	0	0
200090	Shaping or slotting machines, non-NC	31	3700	1	4
300060	Broaching machines, NC	4	722	1	69
300080	Broaching machines, non-NC	13	5368	0	0
401020	Gear cutting for bevel gears	0	0	0	0
401030	Gear hobbers	28	7581	3	317
401040	Gear shapers	4	234	0	0
401060	Gear cutting machines, n.e.c.	46	188	0	0
405050	Gear grinding or finishing for bevel gears	2	1010	0	0
405070	Gear grinding or finishing machines, n.e.c.	32	10068	3	733
500050	Sawing or cutting-off machines, NC	47	2999	13	924
500090	Sawing or cutting-off machines, non-NC	594	10627	86	1351
9000000001	Metal cutting machine tools, n.e.c.	153	7242	18	470
9800000001	Used or rebuilt machine tools	2331	24254	141	2302
9900000001	Machine tools valued at less than $3,025	462182	42118	59757	7518
	Cutting Total			61497	105293
	Y-T-D Cutting Total	474875	704672		
	NC Y-T-D Cutting Total	3860	456497		

Please see notes on last page
of the metal forming section.

U.S. IMPORTS – Metal Cutting Machine Tools – June 92

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	1	229
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	2	181
100035	0	0	0	0	0	0	0	0	5	4824
100045	0	0	0	0	0	0	0	0	2	10668
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	1	67	0	0	1	731
8458110010	0	0	3	131	0	0	0	0	2	498
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	2	219
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	7	73	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	1	6	0	0	1	27	3	61	1	21
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	3	786
915050	0	0	0	0	0	0	0	0	4	48
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	3	92	0	0
995090	0	0	0	0	0	0	0	0	1	7
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	1	87	1	182
290050	0	0	1	15	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	2	27	1	12	1	98
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	3	365
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	1	327	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	4	32	18	404	2	20
510080	0	0	0	0	0	0	1	4	0	0
590030	0	0	2	46	0	0	0	0	1	19
610080	0	0	0	0	1	2118	0	0	6	471
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	2	206
190010	0	0	0	0	0	0	0	0	17	117
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	2	1372
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	3	10	0	0	5	323
310080	0	0	1	2	0	0	0	0	2	13
390050	0	0	0	0	6	29	0	0	4	68
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	4	65	4	17	8	307
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	1	4	0	0	0	0
300060	0	0	0	0	0	0	0	0	1	69
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	3	317
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	2	450
500050	0	0	0	0	0	0	0	0	0	0
500090	1	151	1	95	26	253	2	16	6	237
9000000001	0	0	0	0	4	13	7	30	0	0
9800000001	0	0	0	0	35	472	0	0	21	646
9900000001	2	4	0	0	254	57	96	141	1244	721
Month Tot	4	161	15	361	343	3501	136	862	1355	24214
Y-T-D Tot	19	355	166	3280	1351	15534	643	4696	3894	144891
NC YTD Tot	0	0	26	1532	28	7272	8	1714	235	85786

Please see notes on last page of the metal forming section.

U.S. IMPORTS – Metal Cutting Machine Tools – June 92

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	40	3874	0	0	0	0	0	0
301050	0	0	11	874	0	0	0	0	0	0
301070	0	0	8	176	0	0	0	0	0	0
8457100015	0	0	87	7741	0	0	10	630	0	0
100025	0	0	6	1068	0	0	0	0	0	0
100035	4	1666	22	4427	0	0	0	0	0	0
100045	0	0	0	159	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	34	3706	0	0	0	0	0	0
110030	0	0	97	8303	1	52	0	0	0	0
110050	0	0	23	3657	1	58	0	0	1	199
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	11	136	7	261
190050	0	0	3	38	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	4	660	0	0	0	0	0	0
911080	0	0	6	1161	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	26	382	0	0	21	445	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	10	793	0	0	0	0	0	0
290040	0	0	1	95	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	1	41	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	1	314	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	2	70	0	0
590030	0	0	0	0	0	0	0	0	34	227
610080	0	0	6	466	0	0	2	70	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	3	95	0	0	0	0	0	0	28	190
700020	0	0	13	685	0	0	0	0	0	0
700080	0	0	13	64	0	0	0	0	0	0
8460110080	0	0	1	101	0	0	0	0	0	0
190010	6	255	6	511	0	0	18	197	1	3
190050	0	0	3	230	0	0	0	0	2	384
210080	0	0	18	3217	0	0	0	0	1	398
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	18	223	2	132	0	0	0	0	0	0
310080	0	0	9	84	0	0	0	0	0	0
390050	9	76	3	10	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	2	14	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	1	7	25	464	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	1	283	0	0	0	0	0	0
500050	0	0	9	869	0	0	4	56	0	0
500090	5	182	6	202	0	0	0	0	0	0
9000000001	1	12	0	0	0	0	0	0	0	0
9800000001	4	95	31	610	0	0	0	0	1	5
9900000001	2316	423	4423	954	2225	211	0	0	0	0
Month Tot	2393	3416	4925	45986	2248	766	47	1159	75	1666
Y-T-D Tot	14566	15561	43243	341574	10508	9582	547	8749	625	9650
NC YTD Tot	28	6741	2395	282512	62	3832	92	4902	7	2128

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - June 92

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	15	1345	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	4	45	2	22	0	0
8457100015	0	0	0	0	18	805	25	1361	9	400
100025	0	0	0	0	3	192	0	0	0	0
100035	1	501	0	0	3	300	2	283	0	0
100045	0	0	0	0	0	0	0	0	1	322
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	7	1109	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	10	532	1	21	6	259
110050	0	0	0	0	2	147	1	194	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	1	13	26	246	17	229	93	821
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	1	168	0	0	1	29	2	30
190090	0	0	1	10	0	0	8	112	5	820
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	1	57	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	2	41	1	6	0	0	2	25
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	10	51	2	38	6	45
290070	0	0	0	0	0	0	0	0	0	0
290090	1	12	1	84	4	30	2	18	1	16
310010	0	0	0	0	0	0	2	315	1	25
310040	0	0	0	0	0	0	0	0	1	105
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	15	64	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	1	3	0	0	0	0	0	0	11	53
590030	0	0	0	0	118	543	3	93	20	120
610080	0	0	3	455	5	77	4	51	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	2	20	0	0	0	0
690090	0	0	0	0	5	35	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	2	25
8460110080	0	0	1	42	0	0	4	51	0	0
190010	0	0	0	0	3	21	0	0	0	0
190050	0	0	1	374	64	461	3	75	1	3
210080	0	0	8	1684	1	97	2	98	0	0
290010	0	0	4	273	4	20	0	0	0	0
290030	0	0	1	195	0	0	0	0	0	0
290050	0	0	7	448	0	0	4	43	5	7
310080	0	0	1	9	0	0	0	0	0	0
390050	0	0	3	32	5	81	20	148	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	1	11	0	0	0	0	4	26	0	0
900060	0	0	1	6	0	0	0	0	0	0
900080	0	0	0	0	2	21	13	61	11	84
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	3	11	14	111	7	36	15	57
9000000001	1	88	1	200	3	68	1	59	0	0
9800000001	0	0	6	20	3	10	30	228	10	216
9900000001	159	128	127	123	38164	3905	105	70	10642	781
Month Tot	164	743	195	6643	38490	7944	263	3660	10844	4210
Y-T-D Tot	686	3976	792	40152	309447	44343	1488	32567	86900	29763
NC YTD Tot	6	1082	154	19574	271	10248	234	17048	314	12126

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
June 92

RELEASED: September 2, 1992

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	180	11967	37	2135
8462100030	Headers and upsetters, including cold headers	33	2644	12	173
100050	Forging or die stamping machines, and hammers, n.e.c.	528	51521	39	3361
210080	Bending, folding, straight. or flat. mach., incl presses, NC	271	17240	42	1961
290030	Press brakes, non-NC	96	3483	18	834
290040	Bending rolls, non-NC	29	1087	1	38
290050	Bending, folding, straight., or flat., n.e.c., non-NC	471	24351	83	9466
310080	Shearing machines, NC	26	2891	6	264
390050	Shearing machines, non-NC	196	9509	23	892
410080	Punching or notching mach., incl. comb. punch & shear, NC	145	20122	18	2927
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	222	10230	39	2462
910060	Hydraulic presses, NC	10	3454	1	111
910090	Hydraulic presses, non-NC	2891	14598	1512	2105
990030	Presses, n.e.c., NC	0	0	0	0
990035	Mechanical transfer presses, non-NC	8	14198	0	0
990045	Mechanical presses, n.e.c., non-NC	63	3381	13	469
990060	Presses, n.e.c., non-NC	215	12794	28	1200
8463100080	Draw benches for bars, tubes, profiles, wire or the like	77	6485	6	340
200080	Thread rolling machines	30	1762	1	178
300080	Machines for working wire	339	13007	64	2964
900080	Metal forming machine tools, n.e.c.	375	13194	86	2925
9800000002	Used or rebuilt machine tools	654	10658	88	1620
9900000002	Machine tools valued at less than $3,025	9178	3501	2702	421
	Forming Total			4819	36848
	Y-T-D Forming Total	16037	252074		
	NC Y-T-D Forming Total	452	43707		
	Cutting and Forming Totals:				
	Monthly Total			66316	142141
	Y-T-D Total -	490912	956746		
	NC Y-T-D Total	4312	500205		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
1000000000	Machine tool parts and accessories	0	270218	0	45969
2000000000	Parts for working rubber or plastics - heading 8477	0	144022	0	24423
2710003070	Quenching or cutting oils	0	205	0	51
8428900010	Industrial robots for lifting, handling, loading or unload	1339	27933	107	3204
8431390080	Parts industrial robots, handling and loading - heading 8428	0	37878	0	6568
8456101010	Laser, light or photon beam for working metal, NC	103	16809	9	1812
101020	Laser, light or photon beam for working metal, non-NC	43	5349	8	1391
105000	Laser, light or photon beam for other materials	77	2196	3	324
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	1	4	0	0
205000	Ultrasonic processes for working other materials	34	123	1	32
8477103000	Injection molding mach., for manufacturing shoes	67	2768	9	1737
106010	Injection molding mach., for rubber or oth. thermosetting	351	38779	27	5563
106050	Injection molding mach., for thermoplastics	1679	148748	285	21252
200005	Extruders; rubber or other thermosetting mat., single screw	19	2236	4	344
200015	Extruders; rubber or thermosetting, other incl. multi. screw	15	4543	1	3619
200035	Extruders; thermoplastics, single screw, less than 6.4cm	47	1057	23	510
200045	Extruders; thermoplastics, single screw, 6.4cm or greater	34	11903	8	1419
200055	Extruders; thermoplastics, mutli. screw, less than 6.4cm	43	2501	2	93
200065	Extruders; thermoplastics, multi. screw, 6.4cm or larger	29	7654	2	157
300000	Blow molding machines	142	28319	9	1260
400000	Vacuum-molding and other thermoforming machines	152	6209	5	98
510010	Machines for molding or retreading pneumatic tires	364	9637	13	1790
510090	Machines for molding or otherwise forming inner tubes	19	2115	2	994
590000	Machines for molding or otherwise forming n.e.c.	436	16949	67	911
800000	Machines for working rubber or plastics n.e.c.	2802	65748	927	17644
8479899040	Industrial robots, n.e.c.	1114	36640	304	5256
908040	Industrial robot parts	0	17237	0	3798
8537100030	Numerical controls for controlling machine tools	3842	14826	448	2708
9024100000	Machines and appliances for testing metals	0	7318	0	934
9031100000	Machines for balancing mechanical parts	0	4688	0	2369
300000	Profile projectors	0	1891	0	385
9032810020	Industrial process control instr., hydraulic	68364	1065	14619	167
810060	Industrial process control instr., pneumatic	62392	1406	9734	319

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
June 92

Metal Forming

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	8	292	0	0	0	0
8462100030	0	0	0	0	8	40	0	0	3	48
100050	0	0	0	0	1	2	0	0	9	223
210080	0	0	0	0	6	118	0	0	1	322
290030	5	302	0	0	11	466	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	35	485	0	0	6	5304
310080	0	0	0	0	0	0	0	0	1	73
390050	6	119	0	0	3	106	0	0	0	0
410080	0	0	0	0	0	0	0	0	1	97
490050	0	0	0	0	1	3	0	0	5	274
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	7	974	0	0	3	156
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	2	27	0	0	0	0	0	0	0	0
990060	0	0	0	0	15	445	0	0	5	230
8463100080	0	0	0	0	0	0	0	0	6	340
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	6	449	0	0	14	474
900080	1	8	0	0	3	15	13	97	1	4
9800000002	6	110	0	0	28	295	1	12	8	403
9900000002	0	0	0	0	13	16	132	24	19	13
Month Tot	20	567	0	0	145	3707	146	133	82	7963
Y-T-D Tot	74	4291	7	9	931	23777	316	3423	766	44033
NC YTD Tot	3	335	0	0	52	2262	3	152	89	11058
C&F Month	24	728	15	361	488	7207	282	995	1437	32177
C&F Y-T-D	93	4646	173	3289	2282	39311	959	8119	4660	188924
C&F NC YTD	3	335	26	1532	80	9534	11	1866	324	96844

Other Manufacturing Technology

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	476	0	432	0	7601	0	510	0	8728
2000000000	0	114	0	8	0	7114	0	460	0	6641
2710003070	0	0	0	0	0	7	0	0	0	0
8428900010	0	0	0	0	3	309	2	157	3	465
8431390080	0	0	0	9	0	1525	0	235	0	1103
8456101010	0	0	0	0	0	0	0	0	3	389
101020	0	0	0	0	0	0	0	0	6	427
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	1	32	0	0
8477103000	0	0	0	0	0	0	0	0	2	585
106010	0	0	0	0	3	275	2	286	9	1423
106050	0	0	0	0	27	3277	2	239	52	2930
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200035	0	0	0	0	0	0	0	0	1	37
200045	0	0	0	0	0	0	0	0	7	1291
200055	0	0	0	0	0	0	0	0	0	0
200065	0	0	0	0	1	107	0	0	0	0
300000	0	0	0	0	3	209	0	0	4	808
400000	2	21	0	0	0	0	0	0	1	26
510010	0	0	0	0	11	1640	0	0	2	150
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	5	166	1	331	13	230
800000	8	44	0	0	40	1071	43	5197	85	3045
8479899040	0	0	0	0	1	40	6	4	13	116
908040	0	0	0	0	0	5	0	103	0	1708
8537100030	0	0	0	0	2	4	0	0	13	130
9024100000	0	0	0	0	0	28	0	0	0	337
9031100000	0	0	0	0	0	76	0	0	0	2097
300000	0	0	0	0	0	0	0	0	0	64
9032810020	0	0	0	0	1	2	0	0	0	0
810060	0	0	0	0	14	2	250	23	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
June 92

Metal Forming

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	28	1166	0	0	0	0	0	0
8462100030	1	85	0	0	0	0	0	0	0	0
100050	0	0	17	3064	0	0	0	0	0	0
210080	0	0	26	1065	0	0	0	0	0	0
290030	0	0	2	67	0	0	0	0	0	0
290040	1	38	0	0	0	0	0	0	0	0
290050	13	377	8	1171	0	0	0	0	0	0
310080	5	191	0	0	0	0	0	0	0	0
390050	0	0	5	517	0	0	0	0	0	0
410080	0	0	12	1785	0	0	0	0	0	0
490050	0	0	10	1904	0	0	0	0	15	156
910060	0	0	0	0	0	0	0	0	0	0
910090	1	8	0	0	1	59	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	5	149	3	214	0	0	0	0	0	0
990060	0	0	4	282	0	0	0	0	1	165
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	1	178	0	0	0	0	0	0
300080	3	50	33	1683	1	39	0	0	0	0
900080	1	3	3	11	0	0	0	0	0	0
9800000002	22	134	3	201	0	0	0	0	0	0
9900000002	113	12	1338	55	0	0	2	4	22	20
Month Tot	165	1047	1493	13363	2	98	2	4	38	341
Y-T-D Tot	610	6985	3335	111020	49	1628	3	15	248	1570
NC YTD Tot	42	1872	206	19215	0	0	0	0	0	0
C&F Month	2558	4463	6418	59349	2250	863	49	1163	113	2007
C&F Y-T-D	15176	22546	46578	452594	10557	11209	550	8764	873	11220
C&F NC YTD	70	8613	2601	301727	62	3832	92	4902	7	2128

Other Manufacturing Technology

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	3006	0	13580	0	232	0	95	0	198
2000000000	0	2117	0	4193	0	210	0	9	0	57
2710003070	0	0	0	23	0	0	0	0	0	0
8428900010	2	311	69	902	0	0	0	0	0	0
8431390080	0	182	0	855	0	0	0	0	0	0
8456101010	0	0	6	1423	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	3	324	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	6	881	0	0	0	0	0	0	0	0
106010	4	2867	0	0	1	57	0	0	0	0
106050	42	1062	130	11205	0	0	1	27	3	126
200005	2	142	1	162	0	0	0	0	0	0
200015	0	0	1	3619	0	0	0	0	0	0
200035	6	129	0	0	0	0	0	0	0	0
200045	1	128	0	0	0	0	0	0	0	0
200055	0	0	0	0	0	0	0	0	0	0
200065	0	0	0	0	0	0	0	0	0	0
300000	0	0	1	183	0	0	0	0	0	0
400000	0	0	1	34	0	0	0	0	0	0
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	2	994	0	0	0	0	0	0
590000	1	20	15	108	0	0	0	0	0	0
800000	17	2640	289	3770	0	0	0	0	1	4
8479899040	2	221	220	4463	0	0	0	0	0	0
908040	0	22	0	1310	0	0	0	0	0	100
8537100030	1	36	428	2455	0	0	0	0	0	0
9024100000	0	222	0	135	0	0	0	0	0	0
9031100000	0	12	0	130	0	13	0	0	0	0
300000	0	0	0	73	0	0	0	0	0	0
9032810020	4	7	0	0	0	0	0	0	0	0
810060	420	54	212	18	0	0	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
June 92

Metal Forming

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	1	677
8462100030	0	0	0	0	0	0	0	0	0	0
100050	1	20	4	9	2	23	0	0	5	21
210080	0	0	0	0	2	55	3	337	4	64
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	7	214	1	75	3	104	6	1710	4	26
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	4	37	5	111
410080	0	0	2	666	0	0	0	0	3	378
490050	4	76	0	0	0	0	2	33	2	14
910060	0	0	0	0	0	0	0	0	1	111
910090	1	207	2	526	36	25	1	13	1460	137
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	1	6	0	0	0	0	2	73
990060	0	0	0	0	1	72	0	0	2	7
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	2	11	2	237	1	15	2	7	0	0
900080	0	0	30	2514	2	25	27	229	5	20
9800000002	1	5	2	286	2	2	12	164	3	7
9900000002	20	4	22	29	618	160	39	13	364	72
Month Tot	36	537	66	4347	667	480	96	2543	1861	1719
Y-T-D Tot	250	5576	486	14022	3975	3679	807	10319	4180	21728
NC YTD Tot	3	739	8	2219	4	87	15	2862	27	2906
C&F Month	200	1280	261	10991	39157	8424	359	6203	12705	5929
C&F Y-T-D	936	9551	1278	54174	313422	48022	2295	42885	91080	51492
C&F NC YTD	9	1821	162	21793	275	10335	249	19910	341	15032

Other Manufacturing Technology

1000000000	0	1203	0	3002	0	1400	0	2366	0	3142
2000000000	0	94	0	334	0	588	0	715	0	1766
2710003070	0	0	0	0	0	0	0	21	0	0
8428900010	17	829	0	0	2	20	8	13	1	199
8431390080	0	160	0	273	0	170	0	850	0	1205
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	2	964	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	1	271	0	0	0	0
106010	0	0	2	323	2	62	1	11	3	260
106050	0	0	3	1181	4	159	3	35	18	1012
200005	0	0	0	0	0	0	1	40	0	0
200015	0	0	0	0	0	0	0	0	0	0
200035	0	0	0	0	0	0	0	0	16	344
200045	0	0	0	0	0	0	0	0	0	0
200055	0	0	1	54	0	0	0	0	1	39
200065	0	0	0	0	1	50	0	0	0	0
300000	0	0	0	0	0	0	0	0	1	60
400000	0	0	0	0	0	0	1	18	0	0
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	2	11	2	13	28	33
800000	1	7	7	612	23	385	3	40	410	827
8479899040	0	0	0	0	12	34	2	3	48	377
908040	0	69	0	0	0	0	0	99	0	381
8537100030	0	0	0	0	0	0	4	83	0	0
9024100000	0	0	0	49	0	0	0	162	0	2
9031100000	0	0	0	0	0	0	0	22	0	19
300000	0	0	0	44	0	0	0	204	0	0
9032810020	0	0	866	35	5000	4	2250	12	6498	107
810060	0	0	0	0	94	2	0	0	8744	221

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
June 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	238	1512	0	0	238	1512
Bulgaria	5	44	0	0	5	44
Croatia	0	0	0	0	0	0
Czechoslovakia	5	73	1	29	6	102
Denmark	29	105	10	32	39	137
Finland	6	23	8	408	14	431
Hungary	0	0	0	0	0	0
Ireland	0	0	7	8	7	8
Luxembourg	0	0	0	0	0	0
Netherlands	1	140	1	677	2	817
Norway	2	2	0	0	2	2
Poland	8	315	0	0	8	315
Portugal	0	0	9	159	9	159
Romania	0	0	0	0	0	0
USSR	0	0	0	0	0	0
Yugoslavia	0	0	0	0	0	0
Oth Europe	32	347	0	0	32	347
TOTAL	4911	43927	685	18792	5596	62719
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	2	22	1461	164	1463	186
Oth N & C Am.	0	0	2	3	2	3
TOTAL	345	3522	1608	3874	1953	7396
SOUTH AMERICA						
Argentina	0	0	1	111	1	111
Chile	0	0	0	0	0	0
Colombia	0	0	1	6	1	6
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	15	361	2	116	17	478
OCEANIA						
Australia	2	25	0	0	2	25
New Zealand	0	0	2	6	2	6
Oth Oceania	0	0	0	0	0	0
TOTAL	2	25	2	6	4	31

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
June 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	10494	1173	328	57	10822	1230
Hong Kong	2	2	4	14	6	15
India	2	24	1	28	3	53
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	4	240	0	0	4	240
Malaysia	7	5	0	0	7	5
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	5	160	5	7	10	167
Oth Asia	0	0	0	0	0	0
TOTAL	56224	57459	2502	14050	58726	71509
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	20	8	20	8
Swaziland	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	0	0	20	8	20	8

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. – Not elsewhere classified.

SPECIAL ADDENDUM

REVISION TO JUNE 1992
U.S. IMPORTS OF MACHINE TOOLS

Imports in June 1992 of code "8462910090 - Hydraulic presses, non-NC" are shown in the detailed import report as 1,512 units valued at $2,105,000. This should be changed to 99 machines valued at $2,105,000.

This revision was received too late for the detailed monthly and year-to-date import data to be corrected this month, though they will be reflected in the year-to-date section next month.

The chart entitled "1992 U.S. Imports by Product Groups" does reflect the revisions.

Please contact AMT's statistical department if you have any questions.

U.S. IMPORTS - Metal Cutting Machine Tools - January 92 - June 92

RELEASED: September 2, 1992

		TOTAL YTD	
		UNITS	$000
8456301020	Traveling wire electro-discharge machines	363	30903
301050	Electro-discharge machines, n.e.c., NC	113	8362
301070	Electro-discharge machines, n.e.c., non-NC	92	1386
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	920	71650
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	60	16179
100035	Horizontal machining centers, ATC	214	53244
100045	Machining centers, n.e.c.	25	35792
200010	Unit construction mach. (single station transfer), NC	2	408
200090	Unit construction mach. (single station transfer), non-NC	7	1197
300010	Multi-station transfer machines, NC	18	17540
300090	Multi-station transfer machines, non-NC	44	18192
8458110010	Horizontal lathes, multiple spindle, NC	173	24471
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	897	62659
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	177	27269
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	19	6499
190030	Horizontal engine or toolroom lathes, non-NC	1236	11393
190050	Automatic bar and/or chucking mach., single spindle, non-NC	57	1670
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	22	2905
190090	Horizontal lathes, n.e.c., non-NC	99	2320
911060	Vertical turret lathes, multiple spindle, NC	14	2896
911080	Vertical turret lathes, n.e.c., NC	31	6221
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	8	2139
915070	Vertical lathes, excluding VTL's, n.e.c., NC	14	2145
991050	Vertical turret lathes, non-NC	16	531
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	194	8077
8459100000	Way-type unit head machines	6	535
210080	Other drilling machines, NC	66	6021
290040	Drilling machines, multiple spindle, non-NC	85	2874
290050	Drilling machines, radial, non-NC	90	782
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	20	1584
290090	Drilling machines, n.e.c., non-NC	133	4561
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	10	2009
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	25	6051
310070	Boring-milling machines, n.e.c., NC	4	624
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	6	363
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	60	1991
400040	Boring machines, vertical, NC	3	675
400050	Boring machines, vertical, non-NC	18	247
400070	Boring machines, n.e.c., NC	0	0
400080	Boring machines, n.e.c., non-NC	78	3732
510080	Milling machines, knee type, NC	95	2179
590030	Milling machines, knee type, non-NC	908	7441
610080	Milling machines, excluding knee type, n.e.c., NC	98	15385
690050	Milling machines, profile, dup., or die sinking, non-NC	3	14
690070	Milling machines, bed type, non-NC	24	798
690090	Milling machines, n.e.c., non-NC	78	1476
700020	Threading or tapping machines, n.e.c., NC	156	8676
700080	Threading or tapping machines, n.e.c., non-NC	61	1315
8460110080	Flat surface grinding machines, NC	39	2364
190010	Flat surface grinding mach., recip.-table type, non-NC	448	6386
190050	Flat surface grinding machines, n.e.c., non-NC	470	8444
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	148	34456
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	70	4874
290030	Grinding machines, internal cylindrical, non-NC	40	4830
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	323	18259
310080	Sharpening machines (tool & cutter grinding), NC	85	2787
390050	Sharpening machines (tool & cutter grinding), non-NC	366	3033
400060	Honing or lapping machines, NC	8	661
400080	Honing or lapping machines, non-NC	70	5366
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	7	336
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	488	11262
8461100060	Planing machines, NC	0	0
100080	Planing machines, non-NC	1	8
200010	Shaping or slotting machines, NC	3	115
200090	Shaping or slotting machines, non-NC	31	3700
300060	Broaching machines, NC	4	722
300080	Broaching machines, non-NC	13	5368
401020	Gear cutting for bevel gears	0	0
401030	Gear hobbers	28	7581
401040	Gear shapers	4	234
401060	Gear cutting machines, n.e.c.	46	188
405050	Gear grinding or finishing for bevel gears	2	1010
405070	Gear grinding or finishing machines, n.e.c.	32	10068
500050	Sawing or cutting-off machines, NC	47	2999
500090	Sawing or cutting-off machines, non-NC	594	10627
9000000001	Metal cutting machine tools, n.e.c.	153	7242
9800000001	Used or rebuilt machine tools	2331	24254
9900000001	Machine tools valued at less than $3,025	462182	42118

Please see notes on last page
of the metal forming section.

Y-T-D Cutting Total	474875	704672
NC Y-T-D Cutting Total	3860	456497

U.S. IMPORTS – Metal Cutting Machine Tools – January 92 – June 92

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	0	0	0	0	0	0	0	0
01050	0	0	0	0	0	0	0	0	6	431
01070	0	0	0	0	1	10	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	9	740
100025	0	0	0	0	0	0	0	0	11	2376
100035	0	0	6	125	6	204	0	0	18	7885
100045	0	0	1	621	1	29	0	0	13	30742
200010	0	0	0	0	1	168	0	0	0	0
200090	0	0	0	0	0	0	1	244	1	285
300010	0	0	0	0	10	2261	0	0	5	13882
300090	0	0	0	0	6	1209	0	0	9	12571
8458110010	0	0	18	784	0	0	0	0	10	2601
110030	0	0	0	0	0	0	2	167	1	253
110050	0	0	0	0	0	0	2	196	9	1165
110090	0	0	0	0	0	0	0	0	5	2242
190030	0	0	70	696	3	99	0	0	0	0
190050	0	0	2	21	0	0	2	266	1	27
190070	0	0	0	0	0	0	0	0	1	38
190090	1	6	0	0	2	30	3	61	1	21
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	1	1320	3	786
915050	0	0	0	0	0	0	0	0	4	48
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	4	198	1	2
995090	0	0	45	363	4	156	0	0	17	1874
8459100000	0	0	0	0	0	0	1	29	3	321
210080	0	0	0	0	0	0	0	0	10	396
290040	0	0	0	0	2	10	1	87	46	597
290050	0	0	7	98	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	1	21
290090	1	33	10	351	3	34	1	12	4	184
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	14	3725
310070	0	0	0	0	0	0	0	0	2	204
390040	0	0	0	0	2	322	0	0	0	0
390050	0	0	0	0	1	327	0	0	8	359
400040	0	0	0	0	0	0	0	0	1	419
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	11	110	32	650	5	1165
510080	0	0	0	0	0	0	1	4	1	660
590030	0	0	3	59	1	200	0	0	28	394
610080	0	0	0	0	5	4245	0	0	25	3339
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	1	3	0	0	1	8
700020	0	0	0	0	1	259	0	0	1	56
700080	0	0	0	0	1	8	0	0	1	70
8460110080	0	0	0	0	2	90	1	9	9	611
190010	0	0	0	0	1	21	0	0	41	323
190050	0	0	1	15	0	0	3	12	8	1220
210080	0	0	0	0	0	0	0	0	32	10963
290010	0	0	0	0	4	14	0	0	3	540
290030	0	0	0	0	0	0	0	0	3	794
290050	0	0	0	0	10	108	0	0	102	9405
310080	0	0	1	2	2	17	0	0	30	980
390050	0	0	0	0	21	117	0	0	23	422
400060	0	0	0	0	0	0	0	0	4	485
400080	0	0	0	0	2	28	1	13	14	2212
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	1	50	10	185	34	133	59	2190
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	1	8
200010	0	0	0	0	0	0	0	0	3	115
200090	0	0	0	0	5	29	0	0	7	1342
300060	0	0	0	0	0	0	0	0	1	69
300080	0	0	0	0	0	0	1	180	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	16	5393
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	1	3	0	0
405050	0	0	0	0	0	0	0	0	1	933
405070	0	0	0	0	0	0	0	0	12	7155
500050	0	0	0	0	0	0	0	0	5	48
500090	1	151	1	95	137	1624	4	58	108	2489
9000000001	0	0	0	0	13	43	27	135	28	2261
9800000001	12	158	0	0	171	3285	4	103	142	3039
9900000001	4	7	0	0	911	289	516	818	2966	2005
Y-T-D Tot	19	355	166	3280	1351	15534	643	4696	3894	144891
NC YTD Tot	0	0	26	1532	28	7272	8	1714	235	85786

Please see notes on last page of the metal forming section.

U.S. IMPORTS – Metal Cutting Machine Tools – January 92 – June 92

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	215	20725	0	0	0	0	0	0
301050	0	0	78	5931	0	0	0	0	0	0
301070	0	0	28	543	0	0	0	0	0	0
8457100015	0	0	618	55085	12	568	75	4384	0	0
100025	1	1239	28	10473	0	0	0	0	1	308
100035	4	1666	162	41141	6	477	0	0	1	125
100045	3	1528	5	2408	0	0	0	0	0	0
200010	1	239	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	2	1347	0	0	0	0	0	0
300090	2	208	3	361	0	0	0	0	0	0
8458110010	0	0	145	21085	0	0	0	0	0	0
110030	0	0	606	51220	40	2453	0	0	0	0
110050	0	0	147	23940	3	215	0	0	1	199
110090	3	1508	8	2034	0	0	0	0	0	0
190030	0	0	5	364	20	211	81	1023	92	1220
190050	0	0	4	82	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	2	8	8	377	0	0	0	0	0	0
911060	0	0	14	2896	0	0	0	0	0	0
911080	1	276	11	2950	1	119	0	0	1	79
915050	0	0	4	2090	0	0	0	0	0	0
915070	0	0	14	2145	0	0	0	0	0	0
991050	0	0	6	316	0	0	0	0	0	0
995090	28	415	12	1398	63	3286	0	0	0	0
8459100000	0	0	1	55	0	0	0	0	0	0
210080	0	0	54	5369	0	0	0	0	0	0
290040	0	0	32	2163	0	0	0	0	0	0
290050	1	14	0	0	0	0	0	0	3	112
290070	0	0	16	1504	0	0	0	0	0	0
290090	7	26	21	3129	0	0	0	0	56	404
310010	0	0	5	1502	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	2	1018
310070	0	0	1	7	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	6	90	1	149	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	3	185	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	15	252	11	1323	0	0	0	0	0	0
510080	0	0	1	396	0	0	6	219	0	0
590030	8	349	8	157	0	0	0	0	333	2974
610080	0	0	15	2878	0	0	7	244	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	4	133	0	0	0	0	12	443
690090	4	114	14	703	0	0	0	0	28	190
700020	0	0	120	7511	0	0	0	0	0	0
700080	0	0	47	1017	1	5	0	0	2	138
8460110080	0	0	6	828	0	0	0	0	0	0
190010	11	348	32	1592	0	0	244	2801	2	56
190050	2	30	21	1993	0	0	0	0	4	460
210080	0	0	79	14860	0	0	0	0	1	398
290010	3	46	6	621	0	0	0	0	1	48
290030	1	480	10	2081	0	0	0	0	0	0
290050	33	444	37	1551	0	0	0	0	4	1362
310080	1	1	28	267	0	0	0	0	0	0
390050	15	213	180	1022	0	0	0	0	0	0
400060	0	0	3	159	0	0	0	0	0	0
400080	0	0	20	1466	0	0	0	0	0	0
900060	0	0	3	194	0	0	0	0	0	0
900080	14	1188	182	4864	0	0	0	0	1	25
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	5	36	6	1882	0	0	0	0	0	0
300060	0	0	2	599	0	0	0	0	0	0
300080	1	163	10	1828	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	8	1904	1	53	0	0	0	0
401040	0	0	1	188	0	0	0	0	0	0
401060	2	2	7	175	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	2	17	14	2882	4	13	0	0	0	0
500050	14	283	12	1001	0	0	4	56	0	0
500090	64	538	57	3394	36	901	0	0	3	12
9000000001	20	318	45	3816	0	0	0	0	1	6
9800000001	177	444	194	9886	8	318	0	0	6	58
9900000001	14112	2892	39806	5613	10313	962	130	22	70	13
Y-T-D Tot	14566	15561	43243	341574	10508	9582	547	8749	625	9650
NC YTD Tot	28	6741	2395	282512	62	3832	92	4902	7	2128

Please see notes on last page of the metal forming section.

U.S. IMPORTS – Metal Cutting Machine Tools – January 92 – June 92

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	77	7324	1	5	0	0	70	2849
301050	0	0	17	1708	1	14	0	0	11	278
301070	0	0	2	24	55	669	4	65	2	75
8457100015	0	0	0	0	71	3298	104	5804	31	1770
100025	0	0	0	0	7	712	0	0	12	1071
100035	1	501	0	0	5	438	5	683	0	0
100045	1	142	0	0	0	0	0	0	1	322
200010	0	0	0	0	0	0	0	0	0	0
200090	2	110	2	428	0	0	0	0	1	129
300010	0	0	0	0	0	0	0	0	1	51
300090	0	0	24	3843	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	8	846	57	2709	65	3130	118	1882
110050	0	0	1	150	11	942	2	367	1	94
110090	0	0	0	0	0	0	1	304	2	410
190030	0	0	11	48	242	2021	54	810	658	4901
190050	0	0	3	226	36	248	4	744	5	55
190070	0	0	11	2110	0	0	8	727	2	30
190090	0	0	1	10	10	53	58	860	13	894
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	1	57	12	633	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	3	12	2	4	0	0
995090	0	0	3	51	4	202	7	214	11	118
8459100000	0	0	0	0	0	0	1	130	0	0
210080	0	0	0	0	0	0	1	174	1	82
290040	0	0	3	10	1	7	0	0	0	0
290050	0	0	0	0	46	335	2	38	31	185
290070	0	0	0	0	3	60	0	0	0	0
290090	14	72	5	220	6	51	3	24	2	23
310010	0	0	0	0	2	168	2	315	1	25
310040	0	0	0	0	0	0	2	1019	7	289
310070	0	0	0	0	0	0	1	413	0	0
390040	0	0	0	0	0	0	4	41	0	0
390050	0	0	0	0	38	264	1	41	5	762
400040	0	0	0	0	0	0	0	0	2	256
400050	0	0	0	0	15	62	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	2	50	2	181
510080	1	3	0	0	52	597	4	159	29	140
590030	0	0	0	0	453	2210	32	852	42	247
610080	1	370	6	3560	21	272	12	250	6	227
690050	0	0	0	0	3	14	0	0	0	0
690070	6	201	0	0	2	20	0	0	0	0
690090	0	0	3	215	13	83	2	62	12	98
700020	0	0	0	0	34	850	0	0	0	0
700080	0	0	0	0	6	30	1	23	2	25
8460110080	0	0	3	610	6	83	11	108	1	24
190010	0	0	0	0	51	339	0	0	66	905
190050	0	0	5	909	356	2972	8	690	62	144
210080	0	0	24	4453	1	97	11	3684	0	0
290010	2	20	28	3298	15	163	7	123	1	2
290030	1	283	4	980	2	29	0	0	19	183
290050	6	1102	47	3414	35	355	28	359	21	160
310080	0	0	14	731	0	0	1	6	8	782
390050	0	0	6	76	10	107	106	1019	5	56
400060	0	0	1	18	0	0	0	0	0	0
400080	3	35	5	1336	1	30	24	245	0	0
900060	0	0	2	120	0	0	0	0	2	21
900080	7	78	13	1031	16	187	70	438	81	893
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	1	344	6	58	0	0	1	10
300060	0	0	1	54	0	0	0	0	0	0
300080	0	0	0	0	0	0	1	3196	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	2	24	1	207
401040	0	0	0	0	0	0	0	0	3	46
401060	0	0	21	2	0	0	11	4	4	1
405050	0	0	0	0	0	0	1	77	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	1	52	0	0	1	6	0	0	10	1553
500090	0	0	8	74	93	740	37	205	45	346
9000000001	6	189	1	200	5	110	2	93	5	72
9800000001	3	15	26	1483	28	298	170	3868	1390	1299
9900000001	631	802	405	246	307622	22366	602	491	84094	5591
Y-T-D Tot	686	3976	792	40152	309447	44343	1488	32567	86900	29763
NC YTD Tot	6	1082	154	19574	271	10248	234	17048	314	12126

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92 - June 92

RELEASED: September 2, 1992

Metal Forming Machine Tools		TOTAL YTD	
		UNITS	$000
8454300010	Die casting machines	180	11967
8462100030	Headers and upsetters, including cold headers	33	2644
100050	Forging or die stamping machines, and hammers, n.e.c.	528	51521
210080	Bending, folding, straight. or flat. mach., incl presses, NC	271	17240
290030	Press brakes, non-NC	96	3483
290040	Bending rolls, non-NC	29	1087
290050	Bending, folding, straight., or flat., n.e.c., non-NC	471	24351
310080	Shearing machines, NC	26	2891
390050	Shearing machines, non-NC	196	9509
410080	Punching or notching mach., incl. comb. punch & shear, NC	145	20122
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	222	10230
910060	Hydraulic presses, NC	10	3454
910090	Hydraulic presses, non-NC	2891	14598
990030	Presses, n.e.c., NC	0	0
990035	Mechanical transfer presses, non-NC	8	14198
990045	Mechanical presses, n.e.c., non-NC	63	3381
990060	Presses, n.e.c., non-NC	215	12794
8463100080	Draw benches for bars, tubes, profiles, wire or the like	77	6485
200080	Thread rolling machines	30	1762
300080	Machines for working wire	339	13007
900080	Metal forming machine tools, n.e.c.	375	13194
9800000002	Used or rebuilt machine tools	654	10658
9900000002	Machine tools valued at less than $3,025	9178	3501
	Y-T-D Forming Total	16037	252074
	NC Y-T-D Forming Total	452	43707
	Cutting and Forming Totals:		
	Y-T-D Total	490912	956746
	NC Y-T-D Total	4312	500205

Other Manufacturing Technology		TOTAL YTD	
		UNITS	$000
1000000000	Machine tool parts and accessories	0	270218
2000000000	Parts for working rubber or plastics - heading 8477	0	144022
2710003070	Quenching or cutting oils	0	205
8428900010	Industrial robots for lifting, handling, loading or unload	1339	27933
8431390080	Parts industrial robots, handling and loading - heading 8428	0	37878
8456101010	Laser, light or photon beam for working metal, NC	103	16809
101020	Laser, light or photon beam for working metal, non-NC	43	5349
105000	Laser, light or photon beam for other materials	77	2196
201010	Ultrasonic processes for working metal, NC	0	0
201050	Ultrasonic processes for working metal, non-NC	1	4
205000	Ultrasonic processes for working other materials	34	123
8477103000	Injection molding mach., for manufacturing shoes	67	2768
106010	Injection molding mach., for rubber or oth. thermosetting	351	38779
106050	Injection molding mach., for thermoplastics	1679	148748
200005	Extruders; rubber or other thermosetting mat., single screw	19	2236
200015	Extruders; rubber or thermosetting, other incl. multi. screw	15	4543
200035	Extruders; thermoplastics, single screw, less than 6.4cm	47	1057
200045	Extruders; thermoplastics, single screw, 6.4cm or greater	34	11903
200055	Extruders; thermoplastics, mutli. screw, less than 6.4cm	43	2501
200065	Extruders; thermoplastics, multi. screw, 6.4cm or larger	29	7654
300000	Blow molding machines	142	28319
400000	Vacuum-molding and other thermoforming machines	152	6209
510010	Machines for molding or retreading pneumatic tires	364	9637
510090	Machines for molding or otherwise forming inner tubes	19	2115
590000	Machines for molding or otherwise forming n.e.c.	436	16949
800000	Machines for working rubber or plastics n.e.c.	2802	65748
8479899040	Industrial robots, n.e.c.	1114	36640
908040	Industrial robot parts	0	17237
8537100030	Numerical controls for controlling machine tools	3842	14826
9024100000	Machines and appliances for testing metals	0	7318
9031100000	Machines for balancing mechanical parts	0	4688
300000	Profile projectors	0	1891
9032810020	Industrial process control instr., hydraulic	68364	1065
810060	Industrial process control instr., pneumatic	62392	1406

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92 - June 92

Metal Forming

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	33	1606	0	0	3	537
8462100030	0	0	0	0	9	59	0	0	4	476
100050	2	43	7	9	7	201	3	408	207	6238
210080	3	335	0	0	50	2049	1	85	35	4287
290030	7	343	0	0	68	2758	0	0	0	0
290040	0	0	0	0	6	126	0	0	0	0
290050	1	24	0	0	129	2764	3	27	60	7337
310080	0	0	0	0	1	67	0	0	9	160
390050	25	661	0	0	16	611	2	16	11	946
410080	0	0	0	0	0	0	2	67	42	6178
490050	0	0	0	0	9	460	30	550	44	1059
910060	0	0	0	0	1	146	0	0	3	433
910090	0	0	0	0	50	3594	0	0	42	2038
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	2	387
990045	3	63	0	0	8	86	0	0	4	375
990060	0	0	0	0	88	4608	21	192	14	2897
8463100080	16	1358	0	0	0	0	0	0	41	4003
200080	0	0	0	0	1	19	0	0	12	1023
300080	4	1160	0	0	11	987	3	595	51	1813
900080	1	8	0	0	21	214	62	440	19	2717
9800000002	12	297	0	0	239	3278	27	942	51	1023
9900000002	0	0	0	0	184	145	162	101	112	107
Y-T-D Tot	74	4291	7	9	931	23777	316	3423	766	44033
NC YTD Tot	3	335	0	0	52	2262	3	152	89	11058
C&F Y-T-D	93	4646	173	3289	2282	39311	959	8119	4660	188924
C&F NC YTD	3	335	26	1532	80	9534	11	1866	324	96844

Other Manufacturing Technology

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	2096	0	1877	0	61895	0	3348	0	44738
2000000000	0	347	0	53	0	42432	0	7021	0	38115
2710003070	0	0	0	0	0	64	0	0	0	0
8428900010	0	0	0	0	27	1331	10	736	11	1649
8431390080	0	14	0	31	0	9092	0	1024	0	7224
8456101010	0	0	0	0	0	0	0	0	37	3638
101020	0	0	0	-0	1	130	0	0	39	4216
105000	3	1	0	0	30	464	0	0	4	417
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	1	4	0	0	0	0
205000	0	0	0	0	12	1	1	32	1	8
8477103000	0	0	0	0	0	0	0	0	2	585
106010	0	0	0	0	22	3247	21	1782	47	6002
106050	0	0	0	0	215	29892	5	1035	233	17728
200005	0	0	0	0	0	0	0	0	13	1772
200015	0	0	0	0	7	136	0	0	4	352
200035	0	0	0	0	1	47	0	0	2	81
200045	0	0	0	0	0	0	0	0	23	5885
200055	0	0	0	0	1	54	0	0	28	1744
200065	0	0	0	0	1	107	1	414	8	1881
300000	0	0	0	0	16	824	61	15355	22	7506
400000	2	21	0	0	1	37	0	0	59	3683
510010	0	0	0	0	52	4336	0	0	5	2554
510090	0	0	0	0	0	0	0	0	2	3
590000	0	0	1	122	72	3580	30	2501	44	6585
800000	26	302	0	0	217	5648	75	7452	343	13137
8479899040	0	0	0	0	17	1539	13	1004	63	2669
908040	0	2	0	0	0	144	0	132	0	5697
8537100030	0	0	0	0	4	161	2	29	30	364
9024100000	0	0	0	0	0	395	0	87	0	1529
9031100000	0	192	0	0	0	427	0	8	0	2426
300000	0	0	0	0	0	0	0	0	0	358
9032810020	0	0	1000	7	12	53	5	8	1304	84
810060	0	0	12200	36	129	15	653	107	123	39

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92 - June 92

Metal Forming

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	6	304	118	7761	1	65	0	0	0	0
8462100030	5	465	15	1644	0	0	0	0	0	0
100050	8	47	172	30455	4	229	0	0	3	22
210080	16	397	133	6490	0	0	0	0	0	0
290030	1	11	8	266	0	0	0	0	0	0
290040	12	325	3	481	0	0	0	0	0	0
290050	42	571	69	6706	0	0	0	0	12	154
310080	10	506	2	954	0	0	0	0	0	0
390050	20	564	38	4662	1	1003	0	0	22	281
410080	16	969	68	9474	0	0	0	0	0	0
490050	46	386	24	6478	0	0	0	0	42	670
910060	0	0	3	2297	0	0	0	0	0	0
910090	57	189	42	4723	2	67	0	0	4	47
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	6	13811	0	0	0	0	0	0
990045	7	156	13	1108	0	0	0	0	0	0
990060	4	57	30	1808	1	11	1	12	1	165
8463100080	0	0	17	1059	1	32	0	0	0	0
200080	0	0	4	509	0	0	0	0	2	78
300080	15	1201	166	5604	1	39	0	0	1	19
900080	20	422	23	980	0	0	0	0	0	0
9800000002	34	196	80	3061	30	176	0	0	0	0
9900000002	291	219	2301	689	8	7	2	4	161	136
Y-T-D Tot	610	6985	3335	111020	49	1628	3	15	248	1570
NC YTD Tot	42	1872	206	19215	0	0	0	0	0	0
C&F Y-T-D	15176	22546	46578	452594	10557	11209	550	8764	873	11220
C&F NC YTD	70	8613	2601	301727	62	3832	92	4902	7	2128

Other Manufacturing Technology

1000000000	0	12072	0	69732	0	962	0	437	0	1167
2000000000	0	6588	0	28416	0	1051	0	100	0	213
2710003070	0	0	0	92	0	0	0	0	0	0
8428900010	8	1364	655	16410	0	0	0	0	0	0
8431390080	0	355	0	4886	0	7	0	2	0	374
8456101010	2	284	61	12007	0	0	0	0	0	0
101020	0	0	1	39	0	0	0	0	0	0
105000	0	0	24	328	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	4	29	0	0	0	0	0	0
8477103000	21	1699	0	0	6	21	0	0	18	85
106010	24	6451	141	15442	5	277	2	119	0	0
106050	142	8172	847	78554	16	484	12	202	3	126
200005	2	142	1	162	0	0	0	0	0	0
200015	1	170	1	3619	0	0	0	0	0	0
200035	6	129	0	0	0	0	0	0	0	0
200045	5	3008	0	0	0	0	0	0	0	0
200055	0	0	6	537	0	0	0	0	0	0
200065	5	615	10	3446	0	0	0	0	0	0
300000	7	1904	18	1988	0	0	0	0	0	0
400000	0	0	52	2088	0	0	0	0	0	0
510010	8	1164	286	1406	0	0	0	0	1	10
510090	2	282	12	1796	0	0	0	0	0	0
590000	15	260	39	2050	28	50	129	683	0	0
800000	48	6357	1326	24827	1	13	0	0	2	23
8479899040	8	622	741	26242	1	47	[illegible]	7	2	84
908040	0	203	0	6613	0	0	0	43	0	100
8537100030	34	464	3600	13280	0	0	0	0	0	0
9024100000	0	303	0	3259	0	25	0	2	0	0
9031100000	0	179	0	832	0	17	0	8	0	0
300000	0	0	0	266	0	0	0	0	0	0
9032810020	10	13	0	0	2738	15	0	0	0	0
810060	2787	261	5802	159	0	0	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 92 - June 92

Metal Forming

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	14	893	3	104	0	0	2	696
8462100030	0	0	0	0	0	0	0	0	0	0
100050	1	20	18	242	6	358	60	304	30	12946
210080	0	0	0	0	4	87	12	2119	17	1391
290030	0	0	0	0	8	39	0	0	4	66
290040	1	52	0	0	7	103	0	0	0	0
290050	81	2572	20	588	16	214	21	3102	17	291
310080	1	402	1	213	0	0	2	589	0	0
390050	0	0	1	20	1	5	31	264	28	475
410080	1	24	7	2006	0	0	0	0	9	1404
490050	13	164	1	305	3	14	7	75	3	69
910060	1	313	0	0	0	0	1	154	1	111
910090	12	1258	6	580	321	398	9	32	2346	1673
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	1	6	0	0	5	931	22	656
990060	9	457	0	0	23	721	8	1282	15	584
8463100080	0	0	2	34	0	0	0	0	0	0
200080	0	0	0	0	11	133	0	0	0	0
300080	4	19	36	683	11	317	24	151	12	418
900080	1	165	148	7590	5	37	57	436	18	186
9800000002	27	97	7	498	5	16	81	724	61	351
9900000002	98	32	224	364	3551	1133	489	154	1595	411
Y-T-D Tot	250	5576	486	14022	3975	3679	807	10319	4180	21728
NC YTD Tot	3	739	8	2219	4	87	15	2862	27	2906
C&F Y-T-D	936	9551	1278	54174	313422	48022	2295	42885	91080	51492
C&F NC YTD	9	1821	162	21793	275	10335	249	19910	341	15032

Other Manufacturing Technology

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	5078	0	17588	0	10920	0	17394	0	20913
2000000000	0	636	0	2769	0	2453	0	4743	0	9086
2710003070	0	0	0	15	0	0	0	21	0	13
8428900010	105	5032	23	774	482	36	14	166	4	435
8431390080	0	982	0	1493	0	506	0	4896	0	6994
8456101010	0	0	2	741	0	0	0	0	1	139
101020	0	0	0	0	0	0	2	964	0	0
105000	5	14	0	0	0	0	4	39	7	933
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	1	3	15	51
8477103000	0	0	0	0	12	376	0	0	8	2
106010	0	0	28	1874	18	914	1	11	42	2661
106050	4	793	18	3613	75	2100	9	195	100	5855
200005	0	0	0	0	0	0	2	115	1	45
200015	0	0	0	0	1	229	1	37	0	0
200035	0	0	0	0	5	90	4	114	29	597
200045	0	0	0	0	0	0	5	2417	1	593
200055	5	49	1	54	0	0	0	0	2	63
200065	0	0	1	1061	3	130	0	0	0	0
300000	0	0	3	265	10	216	2	85	3	176
400000	0	0	0	0	12	159	25	107	1	114
510010	0	0	0	0	0	0	11	83	1	84
510090	0	0	0	0	1	4	1	28	1	2
590000	0	0	1	20	8	31	21	860	48	206
800000	10	116	18	1834	90	1466	124	1735	522	2840
8479899040	36	1344	2	294	16	72	5	40	209	2676
908040	0	639	0	145	0	138	0	718	0	2663
8537100030	34	7	2	48	40	40	24	261	72	171
9024100000	0	26	0	558	0	1	0	1014	0	119
9031100000	0	0	0	18	0	0	0	196	0	387
300000	0	0	0	158	0	0	0	1109	0	0
9032810020	0	0	2632	95	11000	10	6302	41	43361	739
810060	320	39	5	1	7257	31	944	53	32172	665

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 92 June 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	829	4991	10	13396	839	18387
Bulgaria	12	104	0	0	12	104
Croatia	0	0	0	0	0	0
Czechoslovakia	57	1008	6	92	63	1100
Denmark	215	947	86	942	301	1889
Finland	21	379	32	1757	53	2136
Hungary	6	94	0	0	6	94
Ireland	5	21	13	25	18	47
Luxembourg	3	11	18	374	21	385
Netherlands	170	1763	23	1153	193	2916
Norway	5	7	0	0	5	7
Poland	89	1977	1	150	90	2127
Portugal	0	0	38	708	38	708
Romania	4	134	0	0	4	134
USSR	3	88	0	0	3	88
Yugoslavia	74	362	3	360	77	723
Oth Europe	44	529	3	218	47	747
TOTAL	24250	264265	3790	109393	28040	373658
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	1	18	0	0	1	18
Mexico	242	149	2914	972	3156	1120
Oth N & C Am.	2	215	2	3	4	218
TOTAL	1596	15916	3847	24752	5443	40668
SOUTH AMERICA						
Argentina	1	38	1	111	2	149
Chile	0	0	0	0	0	0
Colombia	0	0	1	6	1	6
Paraguay	0	0	0	0	0	0
Peru	12	24	0	0	12	24
Uruguay	0	0	0	0	0	0
Venezuela	46	10	1	4	47	14
Oth South Am.	1	6	0	0	1	6
TOTAL	226	3357	10	130	236	3487
OCEANIA						
Australia	27	934	8	249	35	1183
New Zealand	0	0	29	112	29	112
Oth Oceania	0	0	0	0	0	0
TOTAL	27	934	37	361	64	1295

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 92 June 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	84706	8935	881	423	85587	9358
Hong Kong	42	77	9	277	51	354
India	50	249	1	28	51	277
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	24	1740	17	292	41	2033
Malaysia	48	34	1	7	49	41
Pakistan	6	51	0	0	6	51
Philippines	0	0	0	0	0	0
Thailand	150	4863	5	7	155	4869
Oth Asia	0	0	0	0	0	0
TOTAL	448771	420196	8276	117375	457047	537572
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	4	1	77	63	81	65
Swaziland	0	0	0	0	0	0
Oth Africa	1	2	0	0	1	2
TOTAL	5	4	77	63	82	67

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.

A3179-3

REPORT

AMT
The Association For Manufacturing Technology
Founded 1902 as National Machine Tool Builders' Association

Direct Dial: (703) 827-5260

STATISTICAL
No. 84-92 September 30, 1992

U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY – JULY 1992
(values in millions of U.S. dollars)

	July 1992	June 1992	Average Apr.-June	YTD Total'92	YTD Total'91	% Change 1991-1992
METAL CUTTING MACHINE TOOLS						
Exports	$ 71.0	$ 69.7	$ 55.4	$ 372.1	$ 363.1	2.5%
Imports	$123.5	$105.3	$118.1	$ 828.1	$ 975.5	(15.1%)
Balance	($ 52.5)	($ 35.6)	($ 62.7)	($ 456.0)	($ 612.4)	(25.5%)
METAL FORMING MACHINE TOOLS						
Exports	$ 59.8	$ 45.5	$ 42.2	$ 305.5	$ 278.9	9.5%
Imports	$ 55.2	$ 36.8	$ 44.3	$ 307.2	$ 326.3	(5.9%)
Balance	$ 4.6	$ 8.7	($ 2.1)	($ 1.7)	($ 47.4)	(96.4%)
MACHINE TOOL TOTAL						
Exports	$130.7	$115.3	$ 97.6	$ 677.6	$ 642.0	5.5%
Imports	$178.6	$142.1	$162.4	$1,135.4	$1,301.8	(12.8%)
Balance	($ 47.9)	($ 26.8)	($ 64.8)	($ 457.8)	($ 659.8)	(30.6%)
NUMERICALLY CONTROLLED MACHINE TOOLS						
Exports	$ 45.1	$ 47.3	$ 32.4	$ 216.4	$ 195.7	10.6%
Imports	$ 96.4	$ 82.6	$ 84.8	$ 596.6	$ 706.1	(15.5%)
Balance	($ 51.3)	($ 35.3)	($ 52.4)	($ 380.2)	($ 510.4)	(25.5%)
OTHER MANUFACTURING TECHNOLOGY						
Exports	$152.1	$161.9	$157.7	$1,070.7	$ 983.9	8.8%
Imports	$160.8	$157.1	$162.9	$1,099.8	$1,202.6	(8.5%)
Balance	($ 8.7)	$ 4.8	($ 5.2)	($ 29.1)	($ 218.7)	(86.7%)

Note: Numerically controlled machine tools is a subgroup of the machine tool total. ( ) denotes negative. Individual items may not add up to totals due to rounding.

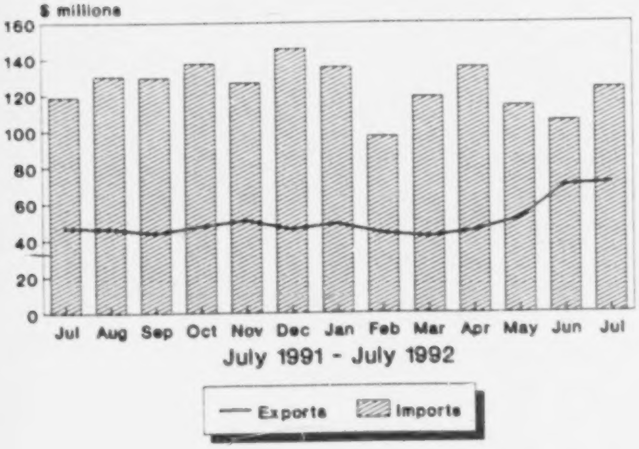
- Exports in July of $130.7 million are the highest monthly total ever; June's $115.3 million is the third highest all-time. Year-to-date exports are up 5.5% to $677.6 million.

- Mexico is the top U.S. machine tool export market in 1992 through July at $126.0 million. Exports to Mexico so far this year already exceed exports for all of 1991 ($124.9 million). Exports to South Korea in 1992 through July ($87.4 million) are very close to the total for all of 1991 ($93.2 million).

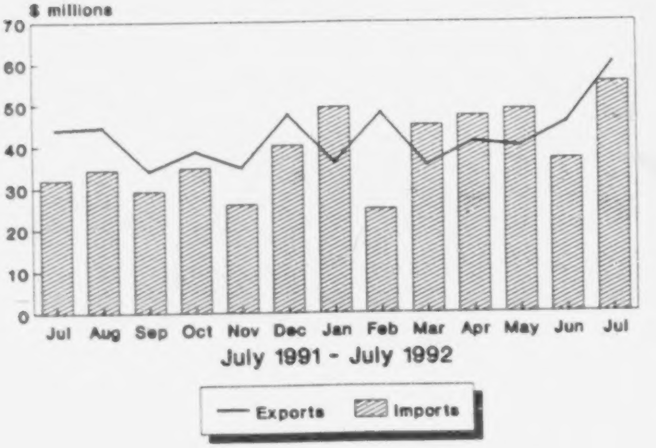
- Year-to-date machine tool imports are down 13% from last year at $1,135.4 million. Year-to-date imports from Japan are down 7%; imports from Germany are down 31%.

U.S. MONTHLY TRADE IN MACHINE TOOLS

METAL CUTTING



METAL FORMING



METAL CUTTING MACHINE TOOLS

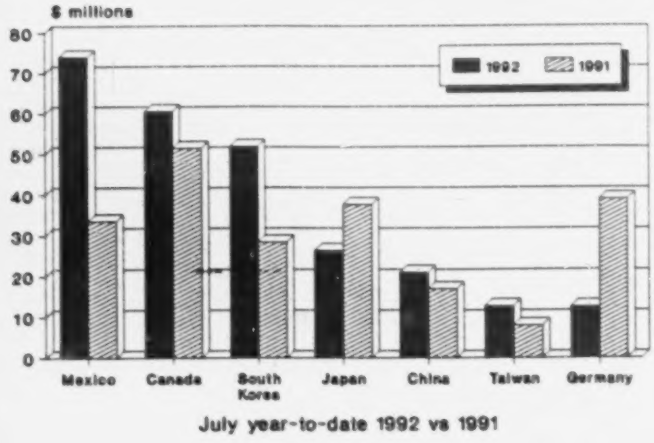
Exports

- Metal cutting exports in July rose slightly from June to $71.0 million. The June/July total is higher than any two-month period since mid-1981. Year-to-date metal cutting exports are up 2% over last year.

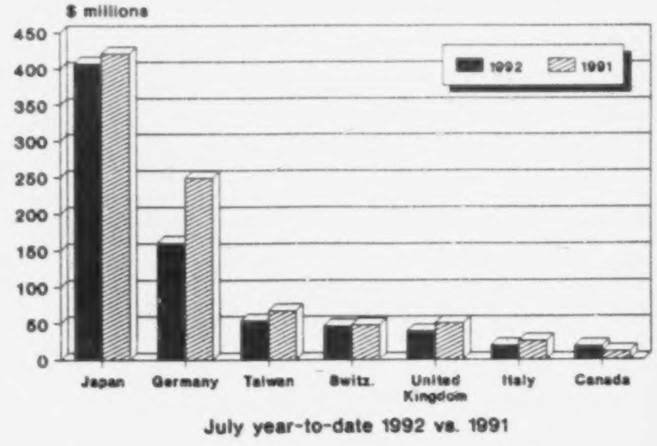
- Mexico was the top metal cutting export market in July at $24.2 million. Exports to Mexico in July included $9.6 million in transfer machines. Year-to-date exports to Mexico are up 120% over 1991 at this time.

- Exports of station type machines so far in 1992 are up 82% (in value terms) over last year; exports of milling machines are up 3%. Exports of boring machines are down 52%, and exports of grinding machines are down 9%.

LEADING U.S. EXPORT MARKETS
METAL CUTTING MACHINES



LEADING U.S. IMPORT SOURCES
METAL CUTTING MACHINES



Imports

- Imports of metal cutting machines rebounded in July to $123.5 million, up 17% from June. Year-to-date imports, however, are down 15% from last year at $828.1 million.

- Japan remains the top metal cutting imports supplier at $407.2 million in 1992 through July, down 3% from last year. Imports from Germany ($160.4 million) are down 36%; imports from Taiwan ($54.0 million) are down 20%.

- Imports in July included 302 machining centers, easily the highest monthly total so far in 1992. Year-to-date imports of machining centers are up 2% in unit terms and up 21% in value terms over 1991.

METAL FORMING MACHINE TOOLS

Exports

- Paced by $15.0 million to South Korea and $7.4 million to Mexico, metal forming exports jumped to $59.8 million in July, by far the highest monthly total ever. Year-to-date exports are up 10% over last year.

- Exports of bending or forming machines are up 30% (in value terms) over last year; exports of punching or shearing machines are up 13%. Exports of presses are up 36% to $66.7 million.

- Year-to-date metal forming exports are far higher this year than last to South Korea (up 111% to $35.5 million), Taiwan (up 100% to $10.5 million), Belgium (up 403% to $9.5 million), Venezuela (up 153% to $3.9 million), and Austria (up 201% to $1.0 million).

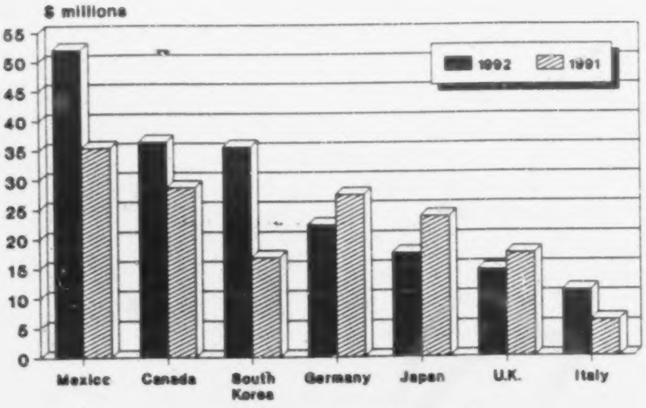
Imports

- Imports of metal forming machines jumped to $55.2 million in July, up 50% over June and the highest monthly total since December 1990. The big jump in July was largely due to a $19.2 million non-NC mechanical transfer press imported from Brazil.

- Year-to-date metal forming imports are down 6% from 1991 to $307.2 million, just $1.7 million more than year-to-date exports of metal forming machines.

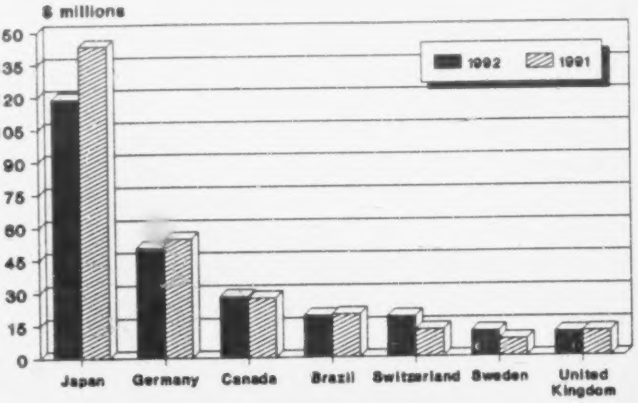
- Despite the big shipment from Brazil this month, year-to-date imports of presses are down 22% in value terms over last year. Imports of punching or shearing machines are up 45%.

LEADING U.S. EXPORT MARKETS
METAL FORMING MACHINES



July year-to-date 1992 vs. 1991

LEADING U.S. IMPORT SOURCES
METAL FORMING MACHINES



July year-to-date 1992 vs. 1991

OTHER MANUFACTURING TECHNOLOGY

Exports

- Exports of industrial robots totalled $4.8 million in July for a year-to-date total of $44.4 million. The comparable year-to-date figure for 1991 is $41.5 million.

- Exports of machines and appliances for testing metals are $34.8 million so far in 1992, down from $40.9 million last year.

Imports

- Year-to-date imports of industrial robots are $73.2 million, down almost 50% from last year. Imports of injection molding machinery so far this year are $220.7 million, up 16% over last year.

- Imports of laser, light or photon beam machines for working metal are $27.4 million in 1992 through July, up from $27.2 last year at this time. Year-to-date imports of numerical controls for controlling machine tools are $17.6 million in 1992, down from $19.6 million last year at this time.

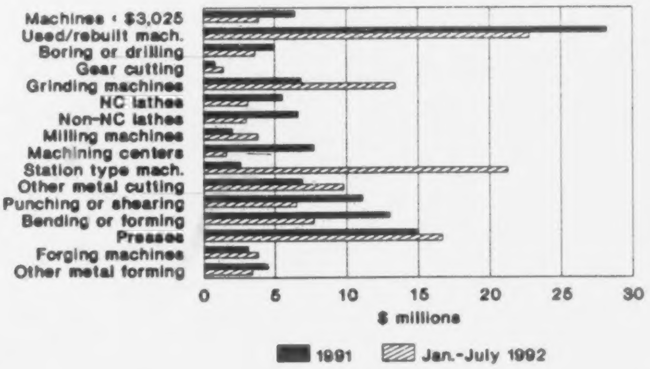
MONTHLY FOCUS

Although the global economy has been relatively sluggish over the last couple of years, it now seems possible, perhaps even likely, that U.S. machine tool exports in 1992 will break the record set last year and grow for the ninth straight year.

If this happens, much of the credit will go to Mexico. U.S. machine tool exports to Mexico in the first seven months of 1992 are up 83% over last year. By contrast, total U.S. merchandise exports to Mexico are up only 28% this year compared to 1991. Clearly, Mexican industry is investing heavily -- and, according to many analysts, will likely continue to do so no matter what the outcome of the U.S. presidential race and the immediate fate of the North American Free Trade Agreement. (NAFTA has yet to be ratified by Congress.)

The charts below detail U.S. machine tool exports to Mexico in 1991 and 1992 by type of machine.

U.S. Machine Tool Exports to Mexico
1991 vs. January-July 1992



Total for 1991: $124.9 million; total for Jan.-July 1992: $126.0 million.
Source: U.S. Bureau of the Census

1992 EXPORTS

METAL CUTTING

COUNTRY	JULY'92	JUNE'92	% CHANGE	JULY'92 YTD	JULY'91 YTD	% CHANGE
Mexico	$24,247,173	$17,144,591	41%	$73,977,142	$33,602,112	120%
Canada	5,392,563	8,287,392	-35%	60,541,797	51,483,253	18%
South Korea	5,849,040	24,738,200	-76%	51,908,916	28,405,481	83%
Japan	6,611,363	955,418	592%	26,298,774	37,587,602	-30%
China	2,979,536	1,514,526	97%	20,945,672	16,863,071	24%
Taiwan	1,279,622	1,223,752	5%	12,692,531	7,928,709	60%
Germany	2,190,847	1,703,472	29%	12,643,396	38,928,099	-68%
United Kingdom	1,606,758	1,617,312	-1%	12,380,402	17,402,796	-29%
France	8,514,877	321,611	2548%	12,345,416	10,540,483	17%
Italy	698,892	2,273,609	-69%	10,738,785	8,081,255	33%
Indonesia	932,759	1,009,083	-8%	7,329,800	4,455,891	64%
Singapore	1,437,229	98,657	1357%	6,657,528	5,156,464	29%
Brazil	189,650	543,868	-65%	5,009,683	8,412,852	-40%
India	13,800	472,186	-97%	4,464,051	9,104,081	-51%
Venezuela	650,638	662,845	-2%	4,087,496	7,218,881	-43%
Netherlands	363,988	293,915	24%	3,627,586	3,394,604	7%
Australia	1,056,314	728,253	45%	3,561,757	2,977,316	20%
Switzerland	231,988	151,199	53%	3,381,431	3,879,515	-13%
Thailand	394,900	766,760	-48%	2,563,376	1,695,643	51%
Spain	23,506	236,690	-90%	1,860,425	1,173,218	59%
Austria	0	0	NA	1,404,259	654,288	115%
Belgium	44,763	290,364	-85%	1,233,282	6,409,345	-81%
Malaysia	15,485	13,427	15%	503,120	2,485,003	-80%
USSR	0	0	NA	0	17,623,999	-100%

METAL FORMING

COUNTRY	JULY'92	JUNE'92	% CHANGE	JULY'92 YTD	JULY'91 YTD	% CHANGE
Mexico	$ 7,408,215	$12,271,890	-40%	$52,063,081	$35,428,042	47%
Canada	5,667,511	4,678,365	21%	36,411,043	28,593,757	27%
South Korea	15,017,960	5,999,470	150%	35,468,229	16,840,742	111%
Germany	2,613,058	3,338,304	-22%	22,263,054	27,327,267	-19%
Japan	2,088,226	2,901,425	-28%	17,482,744	23,699,187	-26%
United Kingdom	560,911	2,592,644	-78%	14,645,934	17,431,712	-16%
Italy	716,537	721,777	-1%	11,145,354	6,064,516	84%
France	2,328,120	495,337	370%	10,683,817	16,658,011	-36%
Taiwan	1,858,053	1,864,698	0%	10,505,824	5,265,586	100%
China	2,141,821	82,730	2489%	9,823,733	18,307,222	-46%
Belgium	1,076,088	1,003,538	7%	9,477,141	1,884,644	403%
Singapore	1,143,575	648,168	76%	6,867,850	4,220,035	63%
Brazil	1,032,892	1,242,238	-17%	6,443,726	4,068,933	58%
Thailand	35,693	308,551	-88%	5,010,500	6,352,914	-21%
Indonesia	2,798,393	398,537	602%	3,997,513	3,456,499	16%
Venezuela	766,235	758,124	1%	3,871,091	1,527,964	153%
Netherlands	51,469	524,757	-90%	2,526,077	7,733,103	-67%
Australia	195,726	1,136,341	-83%	2,251,006	2,693,478	-16%
Switzerland	58,181	46,726	25%	1,652,761	1,435,178	15%
Malaysia	10,750	328,800	-97%	1,354,022	860,124	57%
Spain	218,363	31,198	600%	1,307,167	3,636,371	-64%
Austria	0	0	NA	975,387	324,289	201%
India	87,605	108,536	-19%	791,041	819,590	-3%
USSR	0	0	NA	243,542	122,884	98%

MACHINE TOOL TOTAL

COUNTRY	JULY'92	JUNE'92	% CHANGE	JULY'92 YTD	JULY'91 YTD	% CHANGE
Mexico	$31,655,388	$29,416,481	8%	$126,040,223	$69,030,154	83%
Canada	11,060,074	12,965,757	-15%	96,952,840	80,077,010	21%
South Korea	20,867,000	30,737,670	-32%	87,377,145	45,246,223	93%
Japan	8,699,589	3,856,843	126%	43,781,518	61,286,789	-29%
Germany	4,803,905	5,041,776	-5%	34,906,450	66,255,366	-47%
China	5,121,357	1,597,256	221%	30,769,405	35,170,293	-13%
United Kingdom	2,167,669	4,209,956	-49%	27,026,336	34,834,508	-22%
Taiwan	3,137,675	3,088,450	2%	23,198,355	13,194,295	76%
France	10,842,997	816,948	1227%	23,029,233	27,198,494	-15%
Italy	1,415,429	2,995,386	-53%	21,884,139	14,145,771	55%
Singapore	2,580,804	746,825	246%	13,525,378	9,376,499	44%
Brazil	1,222,542	1,786,106	-32%	11,453,409	12,481,785	-8%
Indonesia	3,731,152	1,407,620	165%	11,327,313	7,912,390	43%
Belgium	1,120,851	1,293,902	-13%	10,710,423	8,293,989	29%
Venezuela	1,416,873	1,420,969	0%	7,958,587	8,746,845	-9%
Thailand	430,593	1,075,311	-60%	7,573,876	8,048,557	-6%
Netherlands	415,457	818,672	-49%	6,153,663	11,127,707	-45%
Australia	1,252,040	1,864,594	-33%	5,812,763	5,670,794	3%
India	101,405	580,722	-83%	5,255,092	9,923,671	-47%
Switzerland	290,169	197,925	47%	5,034,192	5,314,693	-5%
Spain	241,869	267,888	-10%	3,167,592	4,809,589	-34%
Austria	0	0	NA	2,379,646	978,577	143%
Malaysia	26,235	342,227	-92%	1,857,142	3,345,127	-44%
USSR	0	0	NA	243,542	17,746,883	-99%

1992 IMPORTS

METAL CUTTING

COUNTRY	JULY'92	JUNE'92	% CHANGE	JULY'92 YTD	JULY'91 YTD	% CHANGE
Japan	$65,627,824	$45,985,982	43%	$407,201,668	$421,080,968	-3%
Germany	15,522,303	24,214,385	-36%	160,413,750	249,442,443	-36%
Taiwan	9,622,961	7,944,438	21%	53,965,864	67,161,491	-20%
Switzerland	5,780,030	6,643,373	-13%	45,931,825	48,032,891	-4%
United Kingdom	6,801,923	3,660,308	86%	39,368,688	50,066,854	-21%
Italy	4,225,418	3,415,670	24%	19,786,295	26,321,001	-25%
Canada	3,519,043	3,500,788	1%	19,052,991	11,453,255	66%
South Korea	3,756,387	765,592	391%	13,337,999	11,155,720	20%
Spain	344,954	1,665,708	-79%	9,995,173	12,154,267	-18%
Singapore	1,130,104	1,159,468	-3%	9,878,783	6,621,154	49%
France	1,318,171	862,384	53%	6,014,320	12,056,444	-50%
Sweden	272,476	743,117	-63%	4,248,130	12,931,759	-67%
Brazil	559,254	361,150	55%	3,838,805	5,415,807	-29%
Belgium	145,027	160,970	-10%	500,099	1,684,557	-70%

METAL FORMING

COUNTRY	JULY'92	JUNE'92	% CHANGE	JULY'92 YTD	JULY'91 YTD	% CHANGE
Japan	$7,994,639	$13,363,072	-40%	$119,014,652	$143,349,725	-17%
Germany	6,531,849	7,962,668	-18%	50,564,679	54,433,077	-7%
Canada	4,279,044	3,706,525	15%	28,056,140	27,300,847	3%
Brazil	19,166,374	0	NA	19,175,425	19,740,871	-3%
Switzerland	4,718,474	4,347,333	9%	18,740,406	12,467,998	50%
Sweden	6,021,218	536,606	1022%	11,596,757	7,840,820	48%
United Kingdom	808,579	2,543,013	-68%	11,127,254	11,453,054	-3%
Italy	1,926,699	1,047,112	84%	8,911,888	21,546,213	-59%
Belgium	995,706	566,854	76%	5,286,475	5,299,975	0%
Taiwan	585,222	479,880	22%	4,264,265	4,169,713	2%
France	305,820	133,016	130%	3,728,429	1,254,389	197%
Spain	155,070	341,246	-55%	1,725,004	2,061,402	-16%
South Korea	85,737	97,585	-12%	1,713,392	512,235	234%
Singapore	0	3,750	-100%	15,250	300,254	-95%

MACHINE TOOL TOTAL

COUNTRY	JULY'92	JUNE'92	% CHANGE	JULY'92 YTD	JULY'91 YTD	% CHANGE
Japan	$73,622,463	$59,349,054	24%	$526,216,320	$564,430,693	-7%
Germany	22,054,152	32,177,053	-31%	210,978,429	303,875,520	-31%
Switzerland	10,498,504	10,990,706	-4%	64,672,231	60,500,889	7%
Taiwan	10,208,183	8,424,318	21%	58,230,129	71,331,204	-18%
United Kingdom	7,610,502	6,203,321	23%	50,495,942	61,519,908	-18%
Canada	7,798,087	7,207,313	8%	47,109,131	38,754,102	22%
Italy	6,152,117	4,462,782	38%	28,698,183	47,867,214	-40%
Brazil	19,725,628	361,150	5362%	23,014,230	25,156,678	-9%
Sweden	6,293,694	1,279,723	392%	15,844,887	20,772,579	-24%
South Korea	3,842,124	863,177	345%	15,051,391	11,667,955	29%
Spain	500,024	2,006,954	-75%	11,720,177	14,215,669	-18%
Singapore	1,130,104	1,163,218	-3%	9,894,033	6,921,408	43%
France	1,623,991	995,400	63%	9,742,749	13,310,833	-27%
Belgium	1,140,733	727,824	57%	5,786,574	6,984,532	-17%

1992 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1992		FEBRUARY 1992		MARCH 1992		APRIL 1992	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	5,316	$11,265,820	5,422	$19,598,877	6,557	$15,515,671	6,715	$16,608,085
Boring machines	4	111,194	13	355,020	22	1,051,530	5	982,348
Drilling machines	46	2,480,904	77	1,808,417	144	1,028,066	50	610,942
Gear cutting machines	16	2,952,428	14	3,352,752	11	1,838,305	21	3,859,988
Grinding machines	296	11,067,320	248	6,487,757	298	7,112,597	195	6,333,052
NC horizontal lathes	22	4,786,634	16	2,123,339	22	2,483,249	21	3,845,252
NC vertical lathes	1	170,620	7	1,895,200	3	314,112	4	820,590
Non-NC lathes	44	3,333,427	36	1,234,899	39	866,194	28	775,663
Milling machines	35	6,163,478	43	5,628,228	43	4,140,783	46	2,783,629
Machining centers	18	4,153,920	43	2,912,384	26	3,823,849	20	4,144,535
Station type machines	2	689,332	24	3,705,541	5	6,212,800	5	679,025
Other metal cutting machines	191	5,028,354	261	7,372,840	260	5,534,794	296	7,665,317
Punching or shearing machines	75	2,962,166	120	6,014,865	92	4,643,641	135	4,669,531
Bending or forming machines	154	5,495,473	156	8,763,283	161	6,961,257	151	6,267,058
Presses	98	7,968,219	112	6,395,734	96	6,397,621	127	11,367,450
Forging machines	18	4,823,312	20	1,352,893	11	1,504,192	24	3,767,744
Other metal forming machines	221	11,490,938	324	12,788,805	320	7,847,518	198	10,936,704
MACHINE TOOL TOTAL	6,557	84,943,539	6,936	91,790,834	8,110	77,776,179	8,041	86,116,913

PRODUCT TYPES	MAY 1992		JUNE 1992		JULY 1992		JULY'92 YTD	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	5,675	$14,631,339	7,613	$17,942,457	6,106	$17,114,067	43,404	$112,676,316
Boring machines	8	625,445	4	183,049	6	1,144,203	62	4,452,789
Drilling machines	37	404,865	140	1,080,214	75	2,221,868	569	9,635,276
Gear cutting machines	18	4,893,063	16	2,631,313	11	3,986,733	107	23,514,582
Grinding machines	316	8,690,095	237	10,271,795	268	13,152,135	1,858	63,114,751
NC horizontal lathes	21	3,217,185	16	1,788,225	17	2,078,082	135	20,321,966
NC vertical lathes	0	0	0	0	0	0	15	3,200,522
Non-NC lathes	60	1,894,668	42	2,369,310	43	1,495,996	292	11,970,157
Milling machines	28	1,384,138	34	2,820,657	37	4,004,067	266	26,924,980
Machining centers	28	2,886,287	12	2,796,111	35	4,945,439	182	25,662,525
Station type machines	18	12,100,629	23	25,613,289	94	18,920,748	171	67,921,364
Other metal cutting machines	348	6,377,535	249	6,892,759	253	9,787,895	1,858	48,659,494
Punching or shearing machines	145	7,422,484	154	6,325,240	144	4,077,047	865	36,114,974
Bending or forming machines	161	8,033,223	119	4,219,304	161	17,545,706	1,063	57,285,304
Presses	194	8,034,806	312	14,367,534	114	12,125,622	1,053	66,656,986
Forging machines	18	1,845,378	43	7,155,512	42	6,268,849	176	26,717,880
Other metal forming machines	155	8,986,110	271	8,809,407	168	11,874,033	1,657	72,733,515
MACHINE TOOL TOTAL	7,230	91,427,250	9,285	115,266,176	7,574	130,742,490	53,733	677,563,381

1992 U.S. EXPORTS BY PRODUCT GROUPS

	JULY 1991		JULY'91 YTD		% CHANGE JUNE'92–JULY'92		% CHANGE JULY'91–JULY'92	
PRODUCT TYPES	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	5,909	$16,595,564	40,326	$96,447,800	-19.8%	-4.6%	3.3%	3.1%
Boring machines	53	1,485,134	124	9,289,592	50.0%	525.1%	-88.7%	-23.0%
Drilling machines	182	2,218,922	813	14,419,112	-46.4%	105.7%	-58.8%	0.1%
Gear cutting machines	11	4,027,477	167	42,923,518	-31.3%	51.5%	0.0%	-1.0%
Grinding machines	398	11,576,263	2,177	69,540,706	13.1%	28.0%	-32.7%	13.6%
NC horizontal lathes	26	2,567,207	185	20,414,780	6.3%	16.2%	-34.6%	-19.1%
NC vertical lathes	4	269,504	25	1,933,734	NA	NA	-100.0%	-100.0%
Non-NC lathes	27	407,865	302	8,430,361	2.4%	-36.9%	59.3%	266.8%
Milling machines	57	3,124,857	326	26,052,117	8.8%	42.0%	-35.1%	28.1%
Machining centers	26	3,139,607	186	30,370,637	191.7%	76.9%	34.6%	57.5%
Station type machines	5	4,718,427	35	37,306,825	308.7%	-26.1%	1780.0%	301.0%
Other metal cutting machines	198	4,100,231	1,901	49,449,085	1.6%	42.0%	27.8%	138.7%
Punching or shearing machines	132	3,568,471	801	31,973,713	-6.5%	-35.5%	9.1%	14.3%
Bending or forming machines	169	6,262,244	991	43,929,488	35.3%	315.8%	-4.7%	180.2%
Presses	199	11,252,200	1,190	49,167,087	-63.5%	-15.6%	-42.7%	7.8%
Forging machines	57	8,447,700	199	31,156,915	-2.3%	-12.4%	-26.3%	-25.8%
Other metal forming machines	225	6,748,375	1,599	79,163,308	-38.0%	34.8%	-25.3%	76.0%
MACHINE TOOL TOTAL	7,678	90,510,048	51,347	641,968,778	-18.4%	13.4%	-1.4%	44.5%

	% CHANGE YTD'91–YTD'92	
PRODUCT TYPES	Units	Value
Used & rebuilt & under $3,025	7.6%	16.8%
Boring machines	-50.0%	-52.1%
Drilling machines	-30.0%	-33.2%
Gear cutting machines	-35.9%	-45.2%
Grinding machines	-14.7%	-9.2%
NC horizontal lathes	-27.0%	-0.5%
NC vertical lathes	-40.0%	65.5%
Non-NC lathes	-3.3%	42.0%
Milling machines	-18.4%	3.4%
Machining centers	-2.2%	-15.5%
Station type machines	388.6%	82.1%
Other metal cutting machines	-2.3%	-1.6%
Punching or shearing machines	8.0%	13.0%
Bending or forming machines	7.3%	30.4%
Presses	-11.5%	35.6%
Forging machines	-11.6%	-14.2%
Other metal forming machines	3.6%	-8.1%
MACHINE TOOL TOTAL	4.6%	5.5%

1992 U.S. IMPORTS
BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1992		FEBRUARY 1992		MARCH 1992		APRIL 1992	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	94,127	$12,280,602	81,661	$11,946,493	71,929	$14,045,979	84,774	$11,587,883
Boring machines	25	3,463,952	36	989,787	45	3,737,653	26	4,588,124
Drilling machines	97	4,705,463	104	2,226,497	36	2,753,876	62	3,198,537
Gear cutting machines	37	6,172,007	4	649,747	23	1,307,398	26	6,552,810
Grinding machines	512	27,479,836	361	11,708,165	475	16,761,975	471	16,109,963
NC horizontal lathes	153	15,234,824	285	26,313,185	235	23,072,156	195	17,708,086
NC vertical lathes	16	1,194,631	4	987,274	18	4,031,865	9	3,892,886
Non-NC lathes	207	3,386,097	249	4,832,824	242	4,680,480	363	4,759,828
Milling machines	138	4,406,171	198	2,995,701	244	3,330,393	154	5,797,535
Machining centers	200	22,852,787	215	23,855,068	227	27,699,714	201	45,488,842
Station type machines	18	19,481,908	12	2,219,038	9	1,337,261	11	2,415,601
Other metal cutting machines	280	16,298,473	264	10,069,462	284	18,240,822	278	15,889,936
Punching & shearing machines	100	7,476,279	99	5,200,811	75	5,203,477	144	8,147,610
Bending & forming machines	151	11,974,223	125	4,205,804	147	6,328,325	151	6,424,005
Presses	101	15,951,346	598	3,793,878	364	7,021,117	361	8,270,967
Forging machines	104	2,006,697	166	1,340,569	45	17,634,877	133	13,299,820
Other metal forming machines	151	10,016,946	125	8,391,681	228	6,298,417	187	8,374,858
MACHINE TOOL TOTAL	96,417	184,382,242	84,506	121,725,984	74,626	163,485,785	87,546	182,507,291

PRODUCT TYPES	MAY 1992		JUNE 1992		JULY 1992		JULY'92 YTD	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	79,166	$18,808,253	62,688	$11,861,015	80,432	$15,643,300	554,777	$96,173,525
Boring machines	24	943,461	48	1,969,225	73	3,669,615	277	19,361,817
Drilling machines	49	1,295,026	46	1,642,707	35	1,657,299	429	17,479,405
Gear cutting machines	16	3,349,701	6	1,049,835	17	931,939	129	20,013,437
Grinding machines	386	17,789,460	357	13,207,642	533	18,414,759	3,095	121,471,800
NC horizontal lathes	214	20,593,605	184	17,975,797	262	25,382,351	1,528	146,280,004
NC vertical lathes	2	581,745	18	2,711,922	8	1,172,105	75	14,572,428
Non-NC lathes	318	5,138,132	245	4,098,627	333	6,751,773	1,957	33,647,761
Milling machines	214	5,538,178	258	5,225,691	170	4,721,310	1,376	32,014,979
Machining centers	176	21,438,242	200	35,529,123	302	35,165,802	1,521	212,029,578
Station type machines	18	10,511,806	9	1,906,874	6	1,702,626	83	39,575,114
Other metal cutting machines	297	10,768,201	228	10,155,951	262	11,814,123	1,893	93,236,968
Punching or shearing machines	85	10,178,018	86	6,545,270	78	4,765,426	667	47,516,891
Bending or forming machines	149	4,929,111	144	12,298,846	145	6,900,652	1,012	53,060,966
Presses	209	9,501,579	99	3,885,875	1,668	34,536,221	3,400	82,960,983
Forging machines	62	16,348,004	51	3,534,620	47	2,916,354	608	57,080,941
Other metal forming machines	116	4,791,201	194	8,541,571	127	2,488,805	1,128	48,903,479
MACHINE TOOL TOTAL	81,501	162,503,723	64,861	142,140,591	84,498	178,634,460	573,955	1,135,380,076

1992 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JULY 1991		JULY'91 YTD		% CHANGE JUNE'92–JULY'92		% CHANGE JULY'91–JULY'92	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	55,148	$13,352,862	498,694	$98,758,788	28%	32%	46%	17%
Boring machines	51	3,685,439	401	32,804,299	52%	86%	43%	0%
Drilling machines	73	2,839,334	718	29,088,679	-24%	1%	-52%	-42%
Gear cutting machines	32	3,543,870	288	33,811,658	183%	-11%	-47%	-74%
Grinding machines	470	19,241,316	3,542	135,337,302	49%	39%	13%	-4%
NC horizontal lathes	199	18,351,920	1,525	156,478,284	42%	41%	32%	38%
NC vertical lathes	10	2,266,809	66	14,502,146	-56%	-57%	-20%	-48%
Non-NC lathes	555	6,940,660	3,090	50,990,570	36%	65%	-40%	-3%
Milling machines	374	6,736,063	2,214	49,164,677	-34%	-10%	-55%	-30%
Machining centers	249	23,528,172	1,489	174,831,463	51%	-1%	21%	49%
Station type machines	8	8,078,447	99	123,462,233	-33%	-11%	-25%	-79%
Other metal cutting machines	295	12,031,520	2,089	97,170,828	15%	16%	-11%	-2%
Punching or shearing machines	106	5,805,391	611	32,842,887	-9%	-27%	-26%	-18%
Bending or forming machines	156	7,413,619	1,051	48,306,320	1%	-44%	-7%	-7%
Presses	102	5,129,418	1,171	106,431,746	1585%	789%	1535%	573%
Forging machines	35	1,841,002	457	33,844,972	-8%	-17%	34%	58%
Other metal forming machines	194	9,644,967	1,582	83,984,810	-35%	-71%	-35%	-74%
MACHINE TOOL TOTAL	58,057	150,430,809	519,087	1,301,811,662	30%	26%	46%	19%

PRODUCT TYPES	% CHANGE YTD'91–YTD'92	
	Units	Value
Used & rebuilt & under $3,025	11%	-3%
Boring machines	-31%	-41%
Drilling machines	-40%	-40%
Gear cutting machines	-55%	-41%
Grinding machines	-13%	-10%
NC horizontal lathes	0%	-7%
NC vertical lathes	14%	0%
Non-NC lathes	-37%	-34%
Milling machines	-38%	-35%
Machining centers	2%	21%
Station type machines	-16%	-68%
Other metal cutting machines	-9%	-4%
Punching or shearing machines	9%	45%
Bending or forming machines	-4%	10%
Presses	190%	-22%
Forging machines	33%	69%
Other metal forming machines	-29%	-42%
MACHINE TOOL TOTAL	11%	-13%

U.S. EXPORTS
Metal Cutting Machine Tools - July 92

RELEASED: September 30, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	101	8456	12	1545
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	41	5363	11	1843
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	13	3097	1	275
100035	Horizontal machining centers, ATC	14	3738	0	0
100045	Machining centers, n.e.c.	114	13464	23	2827
200010	Unit construction mach. (single station transfer), NC	7	2745	2	1189
200090	Unit construction mach. (single station transfer), non-NC	8	5850	0	0
300010	Multi-station transfer machines, NC	27	32592	8	4752
300090	Multi-station transfer machines, non-NC	117	25714	83	12879
8458110010	Horizontal lathes, multiple spindle, NC	42	4038	7	694
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	52	6703	6	515
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	20	4425	0	0
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	21	5156	4	870
190030	Horizontal engine or toolroom lathes, non-NC	26	585	4	56
190050	Automatic bar and/or chucking mach., single spindle, non-NC	8	214	3	16
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	57	3048	0	0
190090	Horizontal lathes, n.e.c., non-NC	143	2660	23	572
911060	Vertical turret lathes, multiple spindle, NC	1	84	0	0
911080	Vertical turret lathes, n.e.c., NC	4	855	0	0
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	10	2261	0	0
991050	Vertical turret lathes, non-NC	11	662	2	137
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	47	4801	11	715
8459100000	Way-type unit head machines	12	1021	1	100
210080	Other drilling machines, NC	83	5698	40	1481
290040	Drilling machines, multiple spindle, non-NC	6	185	0	0
290050	Drilling machines, radial, non-NC	12	135	1	5
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	16	873	9	528
290090	Drilling machines, n.e.c., non-NC	452	2745	25	208
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	0	0	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	0	0	0	0
310070	Boring-milling machines, n.e.c., NC	13	834	0	0
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	0	0	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	19	424	2	12
400040	Boring machines, vertical, NC	1	680	1	680
400050	Boring machines, vertical, non-NC	15	1087	0	0
400070	Boring machines, n.e.c., NC	2	271	0	0
400080	Boring machines, n.e.c., non-NC	12	1157	3	453
510080	Milling machines, knee type, NC	5	1626	0	0
590030	Milling machines, knee type, non-NC	121	4616	16	670
610080	Milling machines, excluding knee type, n.e.c., NC	39	15208	4	3109
690050	Milling machines, profile, dup., or die sinking, non-NC	12	689	3	20
690070	Milling machines, bed type, non-NC	2	53	0	0
690090	Milling machines, n.e.c., non-NC	87	4734	14	206
700020	Threading or tapping machines, n.e.c., NC	10	1321	2	663
700080	Threading or tapping machines, n.e.c., non-NC	137	1774	8	126
8460110080	Flat surface grinding machines, NC	53	2604	12	1052
190010	Flat surface grinding mach., recip.-table type, non-NC	14	155	4	40
190050	Flat surface grinding machines, n.e.c., non-NC	42	6009	4	662
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	58	18504	20	7384
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	10	2857	0	0
290030	Grinding machines, internal cylindrical, non-NC	47	3529	1	23
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	157	8697	27	1153
310080	Sharpening machines (tool & cutter grinding), NC	38	1669	3	81
390050	Sharpening machines (tool & cutter grinding), non-NC	266	2314	31	361
400060	Honing or lapping machines, NC	1	44	0	0
400080	Honing or lapping machines, non-NC	292	3988	40	729
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	11	2226	1	39
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	869	10519	125	1629
8461100060	Planing machines, NC	5	1807	2	55
100080	Planing machines, non-NC	90	2546	19	615
200010	Shaping or slotting machines, NC	18	1536	5	1084
200090	Shaping or slotting machines, non-NC	21	333	4	35
300060	Broaching machines, NC	93	7214	43	2903
300080	Broaching machines, non-NC	13	1435	1	162
401050	Gear hobbers	18	3930	9	2849
401070	Gear shapers	11	1079	0	0
401090	Gear cutting machines, n.e.c.	56	15078	2	1138
405060	Gear grinding or finishing machines	22	3428	0	0
500050	Sawing or cutting-off machines, NC	44	1939	10	217
500090	Sawing or cutting-off machines, non-NC	643	8561	61	944
9000000001	Metal cutting machine tools, n.e.c.	683	11740	86	1439
9800000001	Used or rebuilt machine tools	4944	53002	624	7302
9900000001	Machine tools valued at less than $3,025	28267	13683	3949	1925
	Cutting Total			5412	70964
	Y-T-D Cutting Total	38726	372063		
	NC Y-T-D Cutting Total*	993	158030		

Please see notes on last page
of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - July 92

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	3	128
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	1	275
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	5	461
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	4	466
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	1	125
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	2	7
190070	0	0	0	0	0	0	0	0	0	0
190090	7	81	0	0	0	0	4	50	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	2	137
995090	0	0	0	0	0	0	0	0	1	44
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	2	24	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	14	150
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	102
510080	0	0	0	0	0	0	0	0	0	0
590030	4	98	0	0	0	0	0	0	1	181
610080	1	736	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	3	20
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	3	23
8460110080	0	0	0	0	0	0	0	0	1	24
190010	0	0	0	0	0	0	0	0	1	7
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	2	978
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	2	67
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	10	160
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	1	5	0	0	3	64
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	0	0	0	0	25	215
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	1	308
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	2	16
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	9	202
500090	3	41	0	0	0	0	0	0	8	105
9000000001	0	0	0	0	0	0	12	140	27	215
9800000001	4	11	0	0	0	0	0	0	64	674
9900000001	106	65	0	0	61	39	0	0	224	239
Month Tot	127	1056	0	0	62	45	16	190	420	5393
Y-T-D Tot	571	3562	25	1404	254	1233	332	5010	4046	60542
NC YTD Tot*	9	1424	5	1337	5	487	21	2348	192	24924

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - July 92

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	1	931	0	0	0	0
8457100015	0	0	0	0	3	411	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	1	997	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	66	7099	0	0	0	0	1	933
8458110010	0	0	0	0	0	0	0	0	0	0
110030	1	99	1	105	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	2	10	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	1	100	0	0	0	0	0	0	0	0
210080	0	0	0	0	5	299	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	1	6	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	1	593	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	2	663	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	3	735	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	1	23	0	0	0	0
290050	0	0	2	669	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	1	11	1	5	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	16	220	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	10	55	0	0	5	53	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	1	13	6	167	0	0	0	0
9000000001	0	0	0	0	4	35	1	14	0	0
9800000001	2	13	2	6	14	216	0	0	0	0
9900000001	161	97	19	18	51	35	0	0	0	0
Month Tot	197	2980	93	8515	94	2191	1	14	1	933
Y-T-D Tot	631	20946	523	12345	1995	12643	245	4464	69	7330
NC YTD Tot*	41	10360	16	2293	38	4152	6	578	3	135

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - July 92

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	6	353	0	0	0	0	0	0	0	0
8457100015	2	261	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	5	1248	0	0	11	1015
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	8	4752
300090	0	0	0	0	0	0	0	0	16	4848
8458110010	0	0	0	0	0	0	0	0	3	228
110030	0	0	1	101	0	0	0	0	2	97
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	2	501	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	2	28
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	1	22	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	7	572
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	7	430
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	1	5
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	11	58
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	6
400040	0	0	0	0	0	0	0	0	1	680
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	150
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	8	67
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	4	100
8460110080	0	0	3	122	0	0	0	0	2	69
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	2	251	0	0	0	0	0	0
210080	0	0	3	1825	0	0	0	0	15	4581
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	17	209
310080	0	0	0	0	1	35	0	0	0	0
390050	1	11	5	100	2	11	2	11	4	19
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	3	200	0	0	0	0	1	13
900060	0	0	1	39	0	0	0	0	0	0
900080	3	60	9	93	6	252	1	4	10	314
8461100060	0	0	0	0	2	55	0	0	0	0
100080	0	0	2	22	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	1	16	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	43	2903
300080	0	0	0	0	0	0	0	0	1	162
401050	0	0	0	0	7	2700	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	2	1138	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	1	15
500090	0	0	8	175	2	25	0	-0	15	183
9000000001	0	0	5	32	1	487	0	0	4	68
9800000001	3	9	29	1967	6	888	0	0	323	2404
9900000001	87	4	33	30	167	127	0	0	754	271
Month Tot	102	699	109	6611	200	5849	3	15	1273	24247
Y-T-D Tot	918	10739	1582	26299	1073	51909	193	503	8349	73977
NC YTD Tot*	15	3128	63	6907	77	31379	0	0	247	38637

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - July 92

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	2	133	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	4	934
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	2	102	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	3	20	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	1	45	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	1	41	26	651	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	200
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	8	287	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	2	80	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
310080	1	25	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	1	6	0	0	0	0	4	56	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	3	10	1	12	2	25	1	12
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	1	108	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	1	9	0	0	1	13	4	35
9000000001	4	41	9	56	0	0	0	0	1	11
9800000001	17	118	3	52	1	3	0	0	0	0
9900000001	0	0	410	142	5	8	20	13	109	88
Month Tot	26	364	466	1437	7	24	30	232	120	1280
Y-T-D Tot	357	3628	1828	6658	199	1860	305	3381	1431	12693
NC YTD Tot*	31	1692	36	1635	0	0	11	2405	43	9961

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - July 92

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	1	158	0	0	0	0	1	79
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	1	192	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	1	114
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	1	244	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	2	28
190050	0	0	0	0	0	0	0	0	1	9
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	1	5	0	0	0	0	5	386
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	1	25	0	0	0	0	1	29
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	60
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	7	504
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	3	104
610080	0	0	1	29	0	0	0	0	1	1750
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	2	44	0	0	0	0	0	0	4	94
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	1	3
8460110080	0	0	0	0	0	0	0	0	1	22
190010	0	0	0	0	0	0	0	0	3	34
190050	0	0	2	411	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	3	163	0	0	0	0	3	44
310080	0	0	0	0	0	0	1	21	0	0
390050	0	0	1	5	0	0	0	0	4	27
400060	0	0	0	0	0	0	0	0	0	0
400080	6	126	0	0	0	0	1	12	4	27
900060	0	0	0	0	0	0	0	0	0	0
900080	7	109	1	6	0	0	21	214	20	194
8461100060	0	0	0	0	0	0	0	0	0	0
100080	3	51	1	6	0	0	1	19	11	209
200010	0	0	0	0	0	0	0	0	5	1084
200090	0	0	0	0	0	0	0	0	1	3
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	1	41
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	2	19	7	105	0	0	0	0	3	52
9000000001	0	0	2	7	0	0	5	60	11	273
9800000001	3	32	5	178	0	0	23	233	125	500
9900000001	28	14	172	73	0	0	350	92	1192	569
Month Tot	51	395	200	1607	0	0	402	651	1412	6239
Y-T-D Tot	1760	2563	1470	12380	0	0	2365	4087	8205	31907
NC YTD Tot*	14	975	38	5246	0	0	20	908	62	7119

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 92

RELEASED: September 30, 1992

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	245	6864	13	2827
8462100030	Headers and upsetters, including cold headers	17	8895	5	927
100050	Forging or die stamping machines, and hammers, n.e.c.	159	17823	37	5342
210080	Bending, folding, straight. or flat. mach., incl presses, NC	292	25605	40	7604
290030	Press brakes, non-NC	112	3508	19	787
290040	Bending rolls, non-NC	48	2715	5	1065
290050	Bending, folding, straight., or flat., n.e.c., non-NC	611	25457	97	8090
310080	Shearing machines, NC	55	4138	6	613
390050	Shearing machines, non-NC	252	4769	35	577
410080	Punching or notching mach., incl. comb. punch & shear, NC	155	16124	14	1366
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	403	11085	89	1521
910060	Hydraulic presses, NC	56	2946	7	319
910090	Hydraulic presses, non-NC	271	9715	29	2564
990030	Presses, n.e.c., NC	86	9517	8	1849
990040	Presses, mechanical, non-NC	43	3629	9	191
990060	Presses, n.e.c., non-NC	597	40850	61	7204
8463100080	Draw benches for bars, tubes, profiles, wire or the like	83	3078	8	754
200080	Thread rolling machines	19	580	5	249
300080	Machines for working wire	373	10438	27	1128
900080	Metal forming machine tools, n.e.c.	937	51774	115	6916
9800000002	Used or rebuilt machine tools	1732	39044	280	6872
9900000002	Machine tools valued at less than $3,025	8461	6947	1253	1015

		UNITS	$000	UNITS	$000
	Forming Total			2162	59778
	Y-T-D Forming Total	15007	305500		
	NC Y-T-D Forming Total	644	58329		
	Cutting and Forming Totals:				
	Monthly Total			7574	130742
	Y-T-D Total	53733	677563		
	NC Y-T-D Total*	1637	216359		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	463995	0	69106
2000000000	Parts for working rubber or plastics - heading 8477	0	142211	0	19323
2710003070	Quenching or cutting oils	0	4498	0	909
8428900010	Industrial robots for lifting, handling, loading or unload	745	7017	41	472
8431390090	Parts industrial robots, handling and loading - heading 8428	0	64219	0	6150
8456100000	Laser, light or photon beam for working any material	206	11963	35	1608
200000	Ultrasonic process for working any material	10	311	1	27
8477106010	Injection molding mach., for rubber or oth. thermosetting	164	14945	15	1188
106070	Injection molding machines, for thermoplastics	353	47455	56	6610
200005	Extruders; rubber or other thermosetting mat., single screw	27	2304	1	166
200015	Extruders; rubber or thermosetting, other incl. multi. screw	95	11977	22	1947
200030	Extruders; thermoplastics, single screw	155	15529	38	6559
200060	Extruders; thermoplastics, other incl. multi. screw	49	4759	9	714
300000	Blow molding machines	407	29846	23	3693
400000	Vacuum-molding and other thermoforming machines	1059	9023	139	1647
510010	Machines for molding or retreading pneumatic tires	2742	20526	130	2872
510090	Machines for molding or otherwise forming inner tubes	513	3352	47	372
590000	Machines for molding or otherwise forming n.e.c.	1037	15235	76	1495
800000	Machines for working rubber or plastics n.e.c.	2501	55435	301	5919
8479899040	Industrial robots, n.e.c.	3278	37370	347	4287
908040	Industrial robot parts	0	17362	0	2512
8537100030	Numerical controls for controlling machine tools	1084	14857	147	2010
9024100000	Machines and appliances for testing metals	0	34837	0	5684
9031100000	Machines for balancing mechanical parts	0	16863	0	3441
300000	Profile projectors	0	1768	0	241
9032810040	Industrial process control instr., hydraulic or pneumatic	247045	23023	32650	3154

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 92

Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	3	803
8462100030	0	0	0	0	0	0	1	622	0	0
100050	0	0	0	0	1	576	0	0	2	151
210080	2	68	0	0	0	0	0	0	4	232
290030	0	0	0	0	0	0	0	0	4	49
290040	0	0	0	0	0	0	0	0	2	78
290050	0	0	0	0	8	71	0	0	27	2415
310080	0	0	0	0	0	0	0	0	1	94
390050	0	0	0	0	0	0	8	126	7	66
410080	1	109	0	0	0	0	0	0	2	301
490050	0	0	0	0	0	0	0	0	27	372
910060	0	0	0	0	0	0	0	0	3	111
910090	0	0	0	0	0	0	0	0	2	137
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	1	13	0	0	0	0	1	7	2	89
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	1	211	1	10
300080	0	0	0	0	2	386	2	41	0	0
900080	0	0	0	0	0	0	0	0	15	109
9800000002	0	0	0	0	0	0	1	14	26	486
9900000002	6	5	0	0	85	43	14	12	154	165
Month Tot	10	196	0	0	96	1076	28	1033	282	5668
Y-T-D Tot	236	2251	73	975	545	9477	300	6444	2205	36411
NC YTD Tot	5	290	0	0	4	154	27	536	75	5870
C&F Month	137	1252	0	0	158	1121	44	1223	702	11060
C&F Y-T-D	807	5813	98	2380	799	10710	632	11453	6251	96953
C&F NC YTD*	14	1714	5	1337	9	641	48	2884	267	30794

Other Manufacturing Technology

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	1346	0	127	0	721	0	736	0	8380
2000000000	0	431	0	22	0	128	0	102	0	5446
2710003070	0	5	0	0	0	19	0	0	0	82
8428900010	0	0	0	0	0	0	0	0	3	98
8431390090	0	39	0	0	0	16	0	45	0	946
8456100000	0	0	0	0	0	0	0	0	2	26
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	2	140
106070	0	0	0	0	2	168	0	0	21	2073
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	16	1720
200030	0	0	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	2	404
300000	0	0	0	0	0	0	0	0	4	746
400000	0	0	0	0	0	0	10	761	0	0
510010	4	54	0	0	8	188	0	0	45	1208
510090	0	0	0	0	1	4	0	0	0	0
590000	1	14	0	0	1	17	0	0	4	125
800000	1	32	0	0	1	55	0	0	69	1289
8479899040	0	0	0	0	0	0	0	0	256	1541
908040	0	5	0	10	0	0	0	0	0	537
8537100030	0	0	1	12	3	45	0	0	7	96
9024100000	0	30	0	6	0	105	0	3	0	1167
9031100000	0	7	0	0	0	0	0	0	0	1732
300000	0	0	0	0	0	0	0	0	0	5
9032810040	1015	57	40	30	214	20	0	0	1472	219

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 92

Metal Forming

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	1	38	0	0	1	4
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	3	501	1	97	0	0	0	0
210080	0	0	0	0	1	146	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	2	975	0	0	0	0	0	0	0	0
290050	0	0	1	26	11	453	7	47	8	1492
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	1	3	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	0	0	6	494	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	2	803	0	0	0	0	0	0	0	0
990030	3	345	2	882	1	181	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	19	871	0	0	1	1299
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
900080	0	0	1	26	3	272	1	36	0	0
9800000002	4	18	3	863	0	0	0	0	0	0
9900000002	0	0	30	27	65	61	5	4	1	3
Month Tot	11	2142	41	2328	108	2613	13	88	11	2798
Y-T-D Tot	138	9824	293	10684	818	22263	133	791	56	3998
NC YTD Tot	19	2092	6	1534	11	1360	2	90	0	0
C&F Month	208	5121	134	10843	202	4804	14	101	12	3731
C&F Y-T-D	769	30769	816	23029	2813	34906	378	5255	125	11327
C&F NC YTD*	60	12452	22	3827	49	5512	8	668	3	135

Other Manufacturing Technology

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	676	0	2238	0	5935	0	129	0	31
2000000000	0	442	0	1049	0	1025	0	138	0	90
2710003070	0	0	0	0	0	0	0	0	0	17
8428900010	3	32	1	3	30	276	0	0	0	0
8431390090	0	82	0	28	0	155	0	21	0	243
8456100000	1	238	4	86	0	0	0	0	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	9	2228	0	0	8	776	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	1	60	0	0	0	0
200030	0	0	0	0	4	109	1	24	1	547
200060	0	0	1	15	1	14	0	0	0	0
300000	0	0	6	118	0	0	0	0	0	0
400000	0	0	37	4	0	0	0	0	0	0
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	1	75	6	129	1	13	6	100
800000	6	1023	2	407	0	0	0	0	1	83
8479899040	0	0	21	185	14	894	0	0	0	0
908040	0	30	0	316	0	331	0	15	0	0
8537100030	2	56	8	118	8	189	0	0	0	0
9024100000	0	30	0	61	0	321	0	21	0	0
9031100000	0	365	0	0	0	23	0	0	0	0
300000	0	0	0	0	0	23	0	0	0	0
9032810040	227	17	6910	344	1617	142	1921	124	4	17

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 92

Metal Forming

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	1	5	2	1866	0	0	5	112
8462100030	0	0	4	305	0	0	0	0	0	0
100050	3	196	4	225	2	102	0	0	5	2446
210080	0	0	6	411	1	41	0	0	8	463
290030	1	8	0	0	0	0	0	0	3	208
290040	0	0	0	0	0	0	0	0	1	12
290050	0	0	0	0	8	2700	0	0	9	483
310080	0	0	0	0	0	0	0	0	2	180
390050	0	0	0	0	10	160	0	0	9	222
410080	0	0	0	0	0	0	0	0	2	142
490050	1	4	0	0	0	0	0	0	14	153
910060	0	0	1	30	0	0	0	0	1	71
910090	0	0	0	0	0	0	0	0	8	315
990030	1	433	0	0	0	0	0	0	1	8
990040	0	0	0	0	1	48	0	0	7	113
990060	0	0	2	921	14	3537	0	0	12	264
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	1	14	0	0	1	4
300080	0	0	0	0	0	0	0	0	12	82
900080	0	0	4	106	42	4639	0	0	6	77
9800000002	2	19	0	0	1	1904	1	11	133	1764
9900000002	92	56	118	86	9	7	0	0	321	289
Month Tot	100	717	140	2088	91	15018	1	11	560	7408
Y-T-D Tot	483	11145	920	17483	514	35468	49	1354	3702	52063
NC YTD Tot	73	5877	23	2740	61	6660	10	784	93	8327
C&F Month	202	1415	249	8700	291	20867	4	26	1833	31655
C&F Y-T-D	1401	21884	2502	43782	1587	87377	242	1857	12051	126040
C&F NC YTD*	88	9005	86	9647	138	38039	10	784	340	46965

Other Manufacturing Technology

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	1258	0	5002	0	6863	0	251	0	12863
2000000000	0	188	0	1816	0	114	0	138	0	986
2710003070	0	0	0	118	0	10	0	0	0	4
8428900010	0	0	2	18	0	0	0	0	0	0
8431390090	0	12	0	42	0	51	0	0	0	923
8456100000	0	0	3	406	0	0	0	0	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	11	889
106070	0	0	0	0	1	233	0	0	3	393
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	2	69
200030	3	1150	1	27	14	344	0	0	2	82
200060	4	257	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	4	467
400000	0	0	0	0	0	0	0	0	84	757
510010	1	40	16	254	0	0	0	0	2	115
510090	0	0	1	4	0	0	0	0	2	24
590000	5	74	12	234	2	104	0	0	7	197
800000	0	0	2	346	0	0	29	84	101	1238
8479899040	11	606	14	304	0	0	1	6	8	53
908040	0	430	0	319	0	14	0	0	0	119
8537100030	11	149	1	8	3	45	1	14	12	184
9024100000	0	47	0	1253	0	516	0	0	0	202
9031100000	0	7	0	151	0	219	0	0	0	401
300000	0	36	0	0	0	0	0	0	0	78
9032810040	1207	165	1578	134	374	64	1	3	416	94

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 92

Metal Forming

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	1	23	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	1	28	11	286	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	3	339
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	5	540	0	0	0	0	1	149
490050	0	0	2	16	0	0	0	0	2	15
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	10	1172
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	3	20	0	0	0	0	0	0
8463100080	1	14	0	0	0	0	0	0	0	0
200080	0	0	1	10	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	4	59
900080	1	4	3	154	2	215	0	0	5	124
9800000002	0	0	23	63	0	0	2	22	0	0
9900000002	10	6	62	54	4	3	17	14	0	0
Month Tot	13	51	110	1144	6	218	20	58	25	1858
Y-T-D Tot	147	2526	384	6868	57	1307	280	1653	190	10506
NC YTD Tot	12	1695	49	2061	7	334	13	1026	31	2693
C&F Month	39	415	576	2581	13	242	50	290	145	3138
C&F Y-T-D	504	6154	2212	13525	256	3168	585	5034	1621	23198
C&F NC YTD*	43	3387	85	3697	7	334	24	3431	74	12654

Other Manufacturing Technology

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	1933	0	1510	0	236	0	590	0	2393
2000000000	0	90	0	202	0	87	0	137	0	303
2710003070	0	0	0	309	0	11	0	9	0	64
8428900010	0	0	0	0	0	0	0	0	0	0
8431390090	0	70	0	33	0	279	0	69	0	57
8456100000	0	0	2	309	0	0	1	25	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	0	0	0	0	0	0	0	0
200005	0	0	0	0	0	0	0	0	1	166
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	0	0	0	0	3	75
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
400000	0	0	1	58	0	0	0	0	6	54
510010	1	13	0	0	0	0	0	0	0	0
510090	1	4	0	0	0	0	1	21	0	0
590000	0	0	0	0	2	19	0	0	3	74
800000	0	0	3	9	1	411	2	32	1	28
8479899040	8	72	0	0	1	41	3	399	1	27
908040	0	0	0	7	0	18	0	126	0	49
8537100030	6	60	9	137	0	0	0	0	3	39
9024100000	0	150	0	116	0	84	0	44	0	170
9031100000	0	0	0	93	0	9	0	0	0	0
300000	0	0	0	18	0	0	0	6	0	0
9032810040	1801	356	1177	90	483	131	148	17	902	63

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 92

Metal Forming

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	1	57	15	991
210080	0	0	2	174	0	0	0	0	15	6046
290030	0	0	0	0	0	0	0	0	11	522
290040	0	0	0	0	0	0	0	0	0	0
290050	1	15	3	43	0	0	0	0	2	30
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	3	125
490050	0	0	2	24	0	0	1	11	34	433
910060	0	0	0	0	0	0	0	0	2	107
910090	0	0	4	24	0	0	0	0	3	112
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	1	29	0	0	0	0	0	0
990060	0	0	1	25	0	0	0	0	5	157
8463100080	0	0	2	28	0	0	1	650	4	62
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	13	0	0	1	17	5	530
900080	0	0	2	10	0	0	0	0	30	1144
9800000002	0	0	15	108	0	0	1	20	68	1579
9900000002	29	21	130	84	0	0	14	12	87	64
Month Tot	30	36	163	561	0	0	19	766	284	11903
Y-T-D Tot	131	5011	1032	14646	13	244	175	3871	2133	38238
NC YTD Tot	3	1131	35	2556	0	0	0	0	85	10520
C&F Month	81	431	363	2168	0	0	421	1417	1696	18141
C&F Y-T-D	1891	7574	2502	27026	13	244	2540	7959	10338	70145
C&F NC YTD*	17	2106	73	7802	0	0	20	908	147	17639

Other Manufacturing Technology

1000000000	0	562	0	5275	0	210	0	614	0	9225
2000000000	0	690	0	714	0	0	0	603	0	4383
2710003070	0	3	0	17	0	0	0	103	0	137
8428900010	1	43	1	3	0	0	0	0	0	0
8431390090	0	95	0	207	0	0	0	160	0	2577
8456100000	0	0	15	373	0	0	0	0	7	145
200000	0	0	0	0	0	0	0	0	1	27
8477106010	0	0	1	71	0	0	0	0	1	89
106070	0	0	6	295	0	0	0	0	6	444
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	2	34	0	0	0	0	1	62
200030	1	439	1	58	0	0	1	2200	6	1503
200060	0	0	1	24	0	0	0	0	0	0
300000	0	0	5	1782	0	0	0	0	4	580
400000	0	0	0	0	0	0	0	0	1	13
510010	0	0	0	0	0	0	3	65	50	934
510090	0	0	0	0	0	0	0	0	41	316
590000	1	23	1	89	0	0	0	0	23	210
800000	3	50	22	539	0	0	3	26	54	267
8479899040	0	0	5	81	0	0	0	0	4	80
908040	0	0	0	116	0	0	0	0	0	71
8537100030	1	11	43	445	0	0	0	0	28	404
9024100000	0	0	0	550	0	0	0	445	0	362
9031100000	0	0	0	26	0	0	0	0	0	408
300000	0	0	0	0	0	0	0	0	0	75
9032810040	1	4	2602	307	0	0	193	10	8347	749

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
July 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	0	0	1	137	1	137
Denmark	4	57	0	0	4	57
Finland	13	29	12	62	25	91
Greece	0	0	0	0	0	0
Hungary	82	576	4	115	86	691
Iceland	0	0	0	0	0	0
Ireland	12	33	1	79	13	112
Luxembourg	0	0	0	0	0	0
Norway	3	47	0	0	3	47
Poland	0	0	0	0	0	0
Portugal	10	32	10	518	20	550
Romania	8	193	0	0	8	193
Sweden	1	10	22	842	23	852
Turkey	1	1750	6	5	7	1755
Yugoslavia	0	0	0	0	0	0
Oth Europe	0	0	0	0	0	0
TOTAL	748	16402	603	9381	1351	25784
NORTH AND CENTRAL AMERICA						
Bahamas	1	15	0	0	1	15
Barbados	0	0	2	10	2	10
Belize	0	0	5	5	5	5
Bermuda	0	0	0	0	0	0
Costa Rica	43	19	1	52	44	70
Dominican Rep	4	16	2	21	6	37
El Salvador	1	22	0	0	1	22
Guatemala	18	6	11	46	29	53
Haiti	0	0	0	0	0	0
Honduras	0	0	0	0	0	0
Jamaica	0	0	2	12	2	12
Panama	3	5	0	0	3	5
Trinidad	0	0	0	0	0	0
Oth N & C Am.	1	9	0	0	1	9
TOTAL	1764	29731	865	13222	2629	42953
SOUTH AMERICA						
Argentina	15	222	15	155	30	377
Bolivia	0	0	0	0	0	0
Chile	36	211	21	582	57	793
Colombia	270	211	3	199	273	410
Ecuador	51	33	8	314	59	347
Paraguay	0	0	0	0	0	0
Peru	2	14	2	17	4	32
Uruguay	28	52	0	0	28	52
Oth South Am.	0	0	1	5	1	5
TOTAL	820	1583	97	3072	917	4655
OCEANIA						
New Zealand	5	12	0	0	5	12
Oth Oceania	0	0	0	0	0	0
TOTAL	132	1068	10	196	142	1264

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
July 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	299	1677	19	160	318	1838
Iran	1	10	0	0	1	10
Iraq	0	0	0	0	0	0
Israel	145	8	2	117	147	125
Jordan	0	0	2	28	2	28
Kuwait	44	91	3	60	47	151
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	1	3	0	0	1	3
Pakistan	0	0	0	0	0	0
Philippines	174	55	5	522	179	577
Qatar	0	0	0	0	0	0
Saudi Arabia	14	19	78	938	92	957
Sri Lanka	0	0	0	0	0	0
Syria	0	0	0	0	0	0
United Arab Emr	9	13	14	6014	23	6027
Vietnam	0	0	0	0	0	0
Oth Asia	0	0	0	0	0	0
TOTAL	1835	21391	555	33021	2390	54412
AFRICA						
Algeria	4	200	0	0	4	200
Botswana	0	0	4	4	4	4
Egypt	15	520	2	72	17	592
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	0	0	0	0	0	0
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	1	3	0	0	1	3
South Africa	93	66	17	321	110	388
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	9	489	9	489
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	113	789	32	886	145	1675

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS – Metal Cutting Machine Tools – July 92

RELEASED: September 30, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301020	Traveling wire electro-discharge machines	426	36965	63	6062
301050	Electro-discharge machines, n.e.c., NC	140	10520	27	2158
301070	Electro-discharge machines, n.e.c., non-NC	110	1665	18	279
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	1113	87691	193	16041
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	77	18491	17	2313
100035	Horizontal machining centers, ATC	303	69777	89	16533
100045	Machining centers, n.e.c.	28	36071	3	279
200010	Unit construction mach. (single station transfer), NC	2	408	0	0
200090	Unit construction mach. (single station transfer), non-NC	8	1258	1	61
300010	Multi-station transfer machines, NC	18	17540	0	0
300090	Multi-station transfer machines, non-NC	49	19833	5	1641
8458110010	Horizontal lathes, multiple spindle, NC	224	31919	51	7448
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	1068	74034	171	11375
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	216	33258	39	5990
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	20	7068	1	570
190030	Horizontal engine or toolroom lathes, non-NC	1472	13416	236	2022
190050	Automatic bar and/or chucking mach., single spindle, non-NC	76	1772	19	103
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	25	4574	3	1669
190090	Horizontal lathes, n.e.c., non-NC	145	3143	46	823
911060	Vertical turret lathes, multiple spindle, NC	15	3095	1	199
911080	Vertical turret lathes, n.e.c., NC	37	7089	6	868
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	8	2139	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	15	2251	1	105
991050	Vertical turret lathes, non-NC	17	688	1	157
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	222	10054	28	1977
8459100000	Way-type unit head machines	6	535	0	0
210080	Other drilling machines, NC	73	6327	7	305
290040	Drilling machines, multiple spindle, non-NC	86	2888	1	14
290050	Drilling machines, radial, non-NC	103	893	13	111
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	20	1584	0	0
290090	Drilling machines, n.e.c., non-NC	147	5788	14	1227
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	14	2435	4	426
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	29	7248	4	1197
310070	Boring-milling machines, n.e.c., NC	5	657	1	32
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	6	363	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	105	2421	45	430
400040	Boring machines, vertical, NC	3	675	0	0
400050	Boring machines, vertical, non-NC	20	304	2	56
400070	Boring machines, n.e.c., NC	1	1315	1	1315
400080	Boring machines, n.e.c., non-NC	94	3945	16	213
510080	Milling machines, knee type, NC	109	2371	14	192
590030	Milling machines, knee type, non-NC	1016	8427	108	986
610080	Milling machines, excluding knee type, n.e.c., NC	122	18637	24	3253
690050	Milling machines, profile, dup., or die sinking, non-NC	4	33	1	18
690070	Milling machines, bed type, non-NC	25	829	1	30
690090	Milling machines, n.e.c., non-NC	100	1718	22	242
700020	Threading or tapping machines, n.e.c., NC	180	10219	24	1543
700080	Threading or tapping machines, n.e.c., non-NC	65	1404	4	89
8460110080	Flat surface grinding machines, NC	52	3369	13	1005
190010	Flat surface grinding mach., recip.-table type, non-NC	536	7299	88	913
190050	Flat surface grinding machines, n.e.c., non-NC	535	8931	65	487
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	185	40680	37	6224
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	78	5011	8	137
290030	Grinding machines, internal cylindrical, non-NC	55	5472	15	642
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	429	21163	106	2904
310080	Sharpening machines (tool & cutter grinding), NC	100	3345	15	558
390050	Sharpening machines (tool & cutter grinding), non-NC	410	3447	44	414
400060	Honing or lapping machines, NC	15	1132	7	470
400080	Honing or lapping machines, non-NC	91	6810	21	1444
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	7	336	0	0
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	602	14479	114	3217
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	1	8	0	0
200010	Shaping or slotting machines, NC	3	115	0	0
200090	Shaping or slotting machines, non-NC	36	3760	5	60
300060	Broaching machines, NC	4	722	0	0
300080	Broaching machines, non-NC	14	5372	1	4
401020	Gear cutting for bevel gears	0	0	0	0
401030	Gear hobbers	36	8420	8	839
401040	Gear shapers	4	234	0	0
401060	Gear cutting machines, n.e.c.	46	188	0	0
405050	Gear grinding or finishing for bevel gears	2	1010	0	0
405070	Gear grinding or finishing machines, n.e.c.	41	10161	9	93
500050	Sawing or cutting-off machines, NC	51	3045	4	46
500090	Sawing or cutting-off machines, non-NC	691	12094	97	1467
9000000001	Metal cutting machine tools, n.e.c.	172	7349	19	107
9800000001	Used or rebuilt machine tools	2514	28972	183	4718
9900000001	Machine tools valued at less than $3,025	539189	49483	77007	7366
	Cutting Total			79191	123467
	Y-T-D Cutting Total	554066	828139		
	NC Y-T-D Cutting Total	4678	543018		

Please see notes on last page
of the metal forming section.

U.S. IMPORTS – Metal Cutting Machine Tools – July 92

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	0	0	1	41	0	0	0	0
301050	0	0	0	0	0	0	0	0	2	44
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	3	376
100025	0	0	0	0	0	0	0	0	3	616
100035	0	0	0	0	0	0	0	0	27	1752
100045	0	0	0	0	0	0	0	0	2	195
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	2	83	0	0	0	0	0	0	3	1558
8458110010	0	0	0	0	0	0	0	0	1	268
110030	0	0	0	0	0	0	1	86	0	0
110050	0	0	0	0	0	0	0	0	2	61
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	52	485	2	138	0	0	0	0
190050	0	0	0	0	0	0	0	0	1	21
190070	0	0	0	0	0	0	0	0	2	1277
190090	0	0	0	0	0	0	20	79	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	1	157	0	0	0	0
995090	0	0	4	31	1	99	0	0	2	246
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	108
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	3	43	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	4	820	1	138
310010	0	0	0	0	0	0	0	0	2	110
310040	0	0	0	0	0	0	0	0	2	304
310070	0	0	0	0	0	0	0	0	1	32
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	1	1315
400080	0	0	0	0	1	10	15	203	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	5	393
610080	0	0	0	0	1	1318	0	0	2	1371
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	3	30	0	0	0	0
700020	0	0	0	0	1	245	0	0	1	64
700080	0	0	0	0	0	0	0	0	2	66
8460110080	0	0	0	0	0	0	0	0	1	465
190010	1	5	0	0	0	0	0	0	14	117
190050	0	0	0	0	0	0	0	0	1	42
210080	0	0	0	0	0	0	0	0	2	426
290010	0	0	0	0	1	9	0	0	0	0
290030	0	0	0	0	0	0	0	0	2	407
290050	0	0	0	0	0	0	0	0	28	376
310080	0	0	0	0	0	0	0	0	5	285
390050	0	0	0	0	3	13	0	0	6	103
400060	0	0	0	0	0	0	0	0	7	470
400080	0	0	0	0	0	0	0	0	2	285
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	3	94	0	0	11	447
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	1	40	0	0	1	4	0	0	3	15
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	1	4
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	6	798
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	24	338	0	0	14	513
9000000001	0	0	0	0	2	16	11	45	0	0
9800000001	0	0	0	0	24	953	9	22	14	305
9900000001	13	17	0	0	79	55	34	64	94	150
Month Tot	17	145	59	559	148	3519	94	1318	277	15522
Y-T-D Tot	36	500	225	3839	1499	19053	737	6014	4171	160414
NC YTD Tot	0	0	26	1532	32	8888	9	1800	300	94047

Please see notes on last page of the metal forming section.

U.S. IMPORTS – Metal Cutting Machine Tools – July 92

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	48	4503	0	0	0	0	0	0
301050	0	0	20	1723	0	0	0	0	0	0
301070	0	0	8	165	0	0	0	0	0	0
8457100015	0	0	103	10731	9	393	8	464	0	0
100025	0	0	3	741	0	0	0	0	0	0
100035	0	0	58	14351	2	99	0	0	0	0
100045	0	0	0	0	0	0	0	0	1	84
200010	0	0	0	0	0	0	0	0	0	0
200090	1	61	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	49	7100	0	0	0	0	0	0
110030	0	0	99	8720	13	454	0	0	0	0
110050	0	0	28	5401	3	132	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	10	107	20	287	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	1	169	1	114	0	0	0	0	0	0
911060	0	0	1	199	0	0	0	0	0	0
911080	0	0	6	868	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	2	30	14	1166	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	6	198	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	1	14
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	1	15
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	2	56	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	1	108	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	19	137
610080	0	0	3	315	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	100	0	0	0	0	12	83
700020	0	0	22	1235	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	10	503	0	0	0	0	0	0
190010	0	0	0	0	0	0	31	379	0	0
190050	4	49	1	10	0	0	0	0	0	0
210080	0	0	24	4193	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	2	110	0	0	0	0	0	0
290050	50	266	5	1066	0	0	0	0	0	0
310080	0	0	5	34	0	0	0	0	0	0
390050	5	70	2	7	0	0	0	0	1	4
400060	0	0	0	0	0	0	0	0	0	0
400080	5	638	4	424	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	48	2025	38	475	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	4	46	0	0	0	0	0	0	0	0
500090	6	42	8	155	0	0	0	0	0	0
9000000001	1	15	0	0	0	0	0	0	0	0
9800000001	5	543	26	858	18	1055	0	0	1	3
9900000001	663	244	7236	1192	3675	349	0	0	25	5
Month Tot	795	4225	7820	65628	3744	3756	59	1130	61	345
Y-T-D Tot	15361	19786	51063	407202	14252	13338	606	9879	686	9995
NC YTD Tot	32	6787	2881	343433	89	4911	100	5366	8	2212

Please see notes on last page of the metal forming section.

U.S. IMPORTS – Metal Cutting Machine Tools – July 92

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	14	1518	0	0	0	0	0	0
301050	0	0	4	381	0	0	0	0	1	11
301070	0	0	0	0	10	114	0	0	0	0
8457100015	0	0	0	0	24	1151	42	2666	4	260
100025	0	0	0	0	8	675	0	0	3	281
100035	0	0	0	0	0	0	2	330	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	1	80	0	0	0	0
110030	0	0	0	0	23	1050	21	806	14	259
110050	0	0	0	0	6	396	0	0	0	0
110090	0	0	0	0	0	0	0	0	1	570
190030	0	0	0	0	60	300	4	128	88	576
190050	0	0	0	0	18	82	0	0	0	0
190070	0	0	1	392	0	0	0	0	0	0
190090	0	0	0	0	1	4	23	459	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	1	105	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	5	405
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	2	21	0	0	8	47
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	2	196	0	0	5	55	1	4
310010	0	0	0	0	1	155	1	161	0	0
310040	0	0	0	0	0	0	1	808	1	85
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	43	193	0	0	2	237
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	1	29	0	0	2	8	0	0	10	47
590030	0	0	0	0	84	457	0	0	0	0
610080	0	0	1	81	5	28	0	0	12	140
690050	0	0	1	18	0	0	0	0	0	0
690070	0	0	0	0	1	30	0	0	0	0
690090	0	0	0	0	0	0	0	0	6	29
700020	0	0	0	0	0	0	0	0	0	0
700080	1	9	0	0	0	0	1	14	0	0
8460110080	0	0	0	0	0	0	0	0	2	37
190010	0	0	0	0	27	205	0	0	15	208
190050	0	0	17	110	42	276	0	0	0	0
210080	0	0	6	1369	0	0	5	237	0	0
290010	0	0	2	86	2	7	2	25	1	10
290030	0	0	0	0	2	38	0	0	9	87
290050	0	0	5	931	4	84	8	85	6	97
310080	0	0	3	204	0	0	0	0	2	34
390050	0	0	4	50	0	0	23	166	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	10	97	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	1	31	4	46	9	98
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	2	40
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	9	93
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	2	61	25	192	9	61	9	103
9000000001	1	17	4	14	0	0	0	0	0	0
9800000001	0	0	2	223	6	21	60	598	18	137
9900000001	96	217	30	40	53941	4026	30	60	11091	947
Month Tot	99	272	99	5780	54339	9623	251	6802	11329	4841
Y-T-D Tot	785	4248	891	45932	363786	53966	1739	39369	98229	34604
NC YTD Tot	7	1111	183	23233	341	13790	306	22057	364	13850

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 92

RELEASED: September 30, 1992

Metal Forming Machine Tools		TOTAL YTD UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000
8454300010	Die casting machines	221	12814	41	847
8462100030	Headers and upsetters, including cold headers	36	2894	3	250
100050	Forging or die stamping machines, and hammers, n.e.c.	572	54187	44	2666
210080	Bending, folding, straight. or flat. mach., incl presses, NC	319	20549	48	3309
290030	Press brakes, non-NC	114	3950	18	467
290040	Bending rolls, non-NC	38	1214	9	128
290050	Bending, folding, straight., or flat., n.e.c., non-NC	541	27347	70	2997
310080	Shearing machines, NC	27	3035	1	144
390050	Shearing machines, non-NC	219	11347	23	1838
410080	Punching or notching mach., incl. comb. punch & shear, NC	158	22346	13	2224
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	263	10789	41	559
910060	Hydraulic presses, NC	13	7686	3	4232
910090	Hydraulic presses, non-NC	2972	17111	1536	2513
990030	Presses, n.e.c., NC	0	0	0	0
990035	Mechanical transfer presses, non-NC	10	37049	2	22851
990045	Mechanical presses, n.e.c., non-NC	123	4148	60	767
990060	Presses, n.e.c., non-NC	282	16967	67	4173
8463100080	Draw benches for bars, tubes, profiles, wire or the like	81	6684	4	200
200080	Thread rolling machines	31	1789	1	26
300080	Machines for working wire	380	13635	41	628
900080	Metal forming machine tools, n.e.c.	415	13981	40	787
9800000002	Used or rebuilt machine tools	1024	13248	370	2590
9900000002	Machine tools valued at less than $3,025	12050	4470	2872	969
	Forming Total			5307	55167
	Y-T-D Forming Total	19889	307241		
	NC Y-T-D Forming Total	517	53617		
	Cutting and Forming Totals:				
	Monthly Total			84498	178634
	Y-T-D Total	573955	1135380		
	NC Y-T-D Total	5195	596634		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
1000000000	Machine tool parts and accessories	0	316535	0	46317
2000000000	Parts for working rubber or plastics - heading 8477	0	172094	0	28072
2710003070	Quenching or cutting oils	0	254	0	49
8428900010	Industrial robots for lifting, handling, loading or unload	1469	31211	130	3278
8431390080	Parts industrial robots, handling and loading - heading 8428	0	44822	0	6944
8456101010	Laser, light or photon beam for working metal, NC	139	21745	36	4936
101020	Laser, light or photon beam for working metal, non-NC	46	5605	3	256
105000	Laser, light or photon beam for other materials	81	2564	4	368
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	1	4	0	0
205000	Ultrasonic processes for working other materials	35	131	1	8
8477103000	Injection molding mach., for manufacturing shoes	68	2834	1	66
106010	Injection molding mach., for rubber or oth. thermosetting	392	42115	41	3336
106050	Injection molding mach., for thermoplastics	2083	175792	404	27045
200005	Extruders; rubber or other thermosetting mat., single screw	19	2236	0	0
200015	Extruders; rubber or thermosetting, other incl. multi. screw	18	6298	3	1756
200035	Extruders; thermoplastics, single screw, less than 6.4cm	53	1415	6	358
200045	Extruders; thermoplastics, single screw, 6.4cm or greater	48	14585	14	2681
200055	Extruders; thermoplastics, mutli. screw, less than 6.4cm	46	2767	3	266
200065	Extruders; thermoplastics, multi. screw, 6.4cm or larger	34	8005	5	351
300000	Blow molding machines	150	29003	8	684
400000	Vacuum-molding and other thermoforming machines	180	6490	28	282
510010	Machines for molding or retreading pneumatic tires	372	9896	8	259
510090	Machines for molding or otherwise forming inner tubes	21	2138	2	24
590000	Machines for molding or otherwise forming n.e.c.	485	23692	49	6743
800000	Machines for working rubber or plastics n.e.c.	3278	79201	476	13452
8479899040	Industrial robots, n.e.c.	1444	42023	330	5384
908040	Industrial robot parts	0	20466	0	3229
8537100030	Numerical controls for controlling machine tools	4417	17584	575	2759
9024100000	Machines and appliances for testing metals	0	7990	0	672
9031100000	Machines for balancing mechanical parts	0	5072	0	384
300000	Profile projectors	0	2227	0	336
9032810020	Industrial process control instr., hydraulic	75548	1238	7184	173
810060	Industrial process control instr., pneumatic	88265	1748	25873	343

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 92

Metal Forming

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	4	123	0	0	1	114
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	1	44	0	0	19	280
210080	0	0	0	0	4	511	0	0	0	0
290030	2	128	0	0	8	293	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	20	480	0	0	14	514
310080	0	0	0	0	0	0	1	144	0	0
390050	3	75	0	0	3	130	0	0	1	5
410080	0	0	0	0	0	0	0	0	1	319
490050	0	0	0	0	0	0	0	0	21	186
910060	0	0	0	0	0	0	0	0	2	209
910090	0	0	0	0	0	0	0	0	2	25
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	1	19156	0	0	0	0	1	3695
990045	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	24	1688	10	111	7	238
8463100080	0	0	0	0	0	0	0	0	3	191
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	3	146
900080	0	0	2	11	12	106	1	46	8	80
9800000002	259	793	0	0	69	889	0	0	11	513
9900000002	0	0	0	0	37	14	12	4	14	17
Month Tot	264	996	3	19166	182	4279	24	306	108	6532
Y-T-D Tot	338	5286	10	19175	1113	28056	340	3728	874	50565
NC YTD Tot	3	335	0	0	56	2773	4	296	92	11585
C&F Month	281	1141	62	19726	330	7798	118	1624	385	22054
C&F Y-T-D	374	5787	235	23014	2612	47109	1077	9743	5045	210978
C&F NC YTD	3	335	26	1532	88	11661	13	2096	392	105632

Other Manufacturing Technology

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	633	0	185	0	6013	0	520	0	8754
2000000000	0	26	0	13	0	8964	0	431	0	6400
2710003070	0	0	0	0	0	40	0	0	0	9
8428900010	0	0	0	0	4	363	0	0	0	0
8431390080	0	0	0	10	0	1989	0	584	0	1061
8456101010	0	0	0	0	0	0	0	0	22	1735
101020	0	0	0	0	0	0	0	0	3	256
105000	0	0	0	0	2	366	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	1	8
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	0	0	5	929	0	0	5	300
106050	0	0	0	0	50	6619	0	0	56	2416
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	3	1756
200035	0	0	0	0	0	0	0	0	4	329
200045	0	0	0	0	0	0	0	0	4	788
200055	0	0	0	0	0	0	0	0	1	70
200065	0	0	0	0	0	0	0	0	2	257
300000	0	0	0	0	1	13	0	0	1	34
400000	0	0	0	0	5	192	0	0	21	30
510010	0	0	0	0	1	44	0	0	2	3
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	19	1192	1	11	12	4893
800000	0	0	0	0	26	526	3	191	72	2480
8479899040	0	0	0	0	1	73	1	27	14	362
908040	0	0	0	0	0	31	0	310	0	1758
8537100030	0	0	0	0	0	0	0	0	17	93
9024100000	0	0	0	0	0	64	0	10	0	68
9031100000	0	0	0	0	0	140	0	59	0	41
300000	0	0	0	0	0	0	0	0	0	184
9032810020	0	0	0	0	6	23	0	0	0	0
810060	2	7	0	0	20	3	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 92

Metal Forming	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	35	310	0	0	0	0	0	0
8462100030	0	0	3	250	0	0	0	0	0	0
100050	10	64	3	1530	0	0	0	0	0	0
210080	1	23	28	1724	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	8	94	0	0	0	0	0	0	0	0
290050	1	16	6	70	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	1	675	8	837	0	0	0	0	0	0
410080	0	0	9	1161	0	0	0	0	0	0
490050	0	0	4	71	1	57	0	0	9	155
910060	0	0	0	0	0	0	0	0	0	0
910090	620	418	1	34	1	29	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	1	210	0	0	0	0	0	0
990060	2	21	5	855	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	1	26	0	0	0	0	0	0
300080	1	39	27	304	0	0	0	0	0	0
900080	7	498	1	5	0	0	0	0	0	0
9800000002	1	2	3	195	0	0	0	0	0	0
9900000002	38	76	1500	413	0	0	0	0	0	0
Month Tot	690	1927	1635	7995	2	86	0	0	9	155
Y-T-D Tot	1300	8912	4970	119015	51	1713	3	15	257	1725
NC YTD Tot	43	1895	243	22101	0	0	0	0	0	0
C&F Month	1485	6152	9455	73622	3746	3842	59	1130	70	500
C&F Y-T-D	16661	28698	56033	526216	14303	15051	609	9894	943	11720
C&F NC YTD	75	8682	3124	365534	89	4911	100	5366	8	2212
Other Manufacturing Technology										
1000000000	0	2378	0	14851	0	94	0	90	0	112
2000000000	0	1646	0	6918	0	67	0	1	0	38
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	1	171	109	2204	0	0	0	0	0	0
8431390080	0	233	0	513	0	0	0	0	0	0
8456101010	0	0	14	3201	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	1	66	0	0	0	0	0	0	0	0
106010	5	375	9	1122	2	165	0	0	0	0
106050	24	895	243	16156	2	87	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200035	1	14	0	0	0	0	0	0	0	0
200045	10	1893	0	0	0	0	0	0	0	0
200055	0	0	0	0	0	0	0	0	0	0
200065	0	0	0	0	0	0	0	0	0	0
300000	2	32	2	490	1	70	0	0	0	0
400000	0	0	1	34	0	0	0	0	0	0
510010	3	149	2	63	0	0	0	0	0	0
510090	0	0	1	2	0	0	0	0	0	0
590000	1	482	2	90	3	15	0	0	0	0
800000	3	2300	165	3646	3	26	0	0	1	148
8479899040	0	0	161	4183	90	37	0	0	0	0
908040	0	53	0	873	0	0	0	0	0	0
8537100030	46	149	470	1810	0	0	0	0	0	0
9024100000	0	88	0	112	0	0	0	0	0	0
9031100000	0	0	0	60	0	7	0	0	0	0
300000	0	0	0	20	0	0	0	0	0	0
9032810020	0	0	0	0	0	0	0	0	0	0
810060	450	59	993	25	7500	24	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 92

Metal Forming

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	1	300	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	1	644	0	0	0	0	10	104
210080	12	252	2	753	0	0	0	0	1	46
290030	0	0	0	0	4	17	0	0	4	29
290040	1	34	0	0	0	0	0	0	0	0
290050	17	1286	4	182	1	14	4	358	3	77
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	3	50	4	67
410080	0	0	3	744	0	0	0	0	0	0
490050	2	22	0	0	3	22	1	47	0	0
910060	1	4024	0	0	0	0	0	0	0	0
910090	2	327	2	1564	245	21	0	0	663	95
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	54	177	5	379
990060	5	44	4	373	6	243	0	0	4	599
8463100080	0	0	0	0	0	0	1	9	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	3	54	0	0	5	19	2	66
900080	0	0	8	36	0	0	1	5	0	0
9800000002	3	26	1	13	5	28	16	86	2	45
9900000002	4	6	37	55	1017	241	103	57	110	86
Month Tot	47	6021	66	4718	1281	585	188	809	808	1593
Y-T-D Tot	297	11597	552	18740	5256	4264	995	11127	4988	23321
NC YTD Tot	16	5015	13	3716	4	87	15	2862	28	2952
C&F Month	146	6294	165	10499	55620	10208	439	7611	12137	6434
C&F Y-T-D	1082	15845	1443	64672	369042	58230	2734	50496	103217	57926
C&F NC YTD	23	6126	196	26949	345	13977	321	24919	392	16802

Other Manufacturing Technology

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	591	0	2840	0	2774	0	2724	0	3758
2000000000	0	73	0	554	0	233	0	1093	0	1615
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	12	534	1	1	0	0	3	4	0	0
8431390080	0	49	0	233	0	92	0	614	0	1564
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	2	3
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	0	0	3	120	10	105	2	220
106050	1	15	2	238	14	216	4	38	8	364
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200035	0	0	0	0	0	0	1	14	0	0
200045	0	0	0	0	0	0	0	0	0	0
200055	0	0	0	0	0	0	2	196	0	0
200065	0	0	0	0	0	0	0	0	3	94
300000	0	0	0	0	1	45	0	0	0	0
400000	0	0	0	0	0	0	1	25	0	0
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	1	22
590000	0	0	0	0	1	29	4	10	6	21
800000	4	116	4	17	25	142	149	380	21	3479
8479899040	1	63	1	55	0	0	1	143	60	441
908040	0	52	0	25	0	0	0	25	0	102
8537100030	6	526	1	18	30	31	0	0	5	132
9024100000	0	7	0	205	0	0	0	104	0	13
9031100000	0	0	0	0	0	0	0	69	0	7
300000	0	0	0	13	0	0	0	119	0	0
9032810020	0	0	151	11	0	0	504	11	6523	129
810060	0	0	0	0	8612	18	108	7	8188	201

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
July 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	113	914	7	76	120	990
Bulgaria	12	91	0	0	12	91
Croatia	0	0	0	0	0	0
Czechoslovakia	5	86	9	51	14	138
Denmark	49	146	50	34	99	180
Finland	5	7	0	0	5	7
Hungary	2	57	0	0	2	57
Ireland	0	0	7	28	7	28
Luxembourg	0	0	0	0	0	0
Netherlands	12	102	4	186	16	288
Norway	1	4	0	0	1	4
Poland	23	623	0	0	23	623
Portugal	0	0	6	140	6	140
Romania	0	0	0	0	0	0
USSR	0	0	0	0	0	0
Yugoslavia	0	0	0	0	0	0
Oth Europe	38	422	1	62	39	484
TOTAL	1953	36862	1480	22041	3433	58903
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	1	2	669	431	670	433
Oth N & C Am.	0	0	0	0	0	0
TOTAL	149	3522	851	4710	1000	8231
SOUTH AMERICA						
Argentina	2	27	0	0	2	27
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	1	6	1	6
Oth South Am.	0	0	0	0	0	0
TOTAL	61	587	4	19172	65	19759
OCEANIA						
Australia	11	107	0	0	11	107
New Zealand	0	0	0	0	0	0
Oth Oceania	0	0	0	0	0	0
TOTAL	11	107	0	0	11	107

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
July 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	10734	1227	52	67	10786	1294
Hong Kong	24	54	1	443	25	496
India	13	81	0	0	13	81
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	8	546	0	0	8	546
Malaysia	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	17	216	0	0	17	216
Oth Asia	9	93	0	0	9	93
TOTAL	76767	82355	2971	9175	79738	91530
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	1	2	1	70	2	72
Swaziland	0	0	0	0	0	0
Oth Africa	249	33	0	0	249	33
TOTAL	250	35	1	70	251	105

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.